



ARIA SHIMI RAYKA CO.

NUMBER ONE
IN RAW MATERIAL



GLYCEROL
PRODUCTION PLANT



SULFONATION
PRODUCTION PLANT



OLEOCHEMICAL
PRODUCTION PLANT

SOAP NOODLE PRODUCTION PLANT
IN BACKGROUND

**PRODUCTS
CATALOG**

www.asrc.ir

Aria Shimi Rayka is a knowledge enterprise that has a clear vision: to become a leading producer of raw materials for the chemical industry. They have specialized in designing and manufacturing products used in both the detergent and cosmetic industries. Their success story has been driven by a combination of dedicated experts, collaboration with industry professionals, and the integration of cutting-edge technology. This approach, combined with a strong commitment to adhering to the highest quality standards, has resulted in the creation of a diverse range of high-quality surfactants.

The company's journey is one of continuous growth and improvement. By formulating innovative products and fine-tuning them based on the latest scientific discoveries, they consistently strive for excellence. This commitment reflects their essential role in shaping the chemical industry within their country.

Aria Shimi Rayka's dedication to excellence has been formally recognized through thorough assessments conducted by prestigious evaluation groups. Their emphasis on merging scientific knowledge with technological advancements has earned them the distinguished status of an industrial knowledge enterprise. In 2020, their achievements were acknowledged, as they officially received recognition as a knowledge enterprise, supported by the Vice Presidency for Science & Technology of Iran. As they continue on their journey, their vision remains steadfast, their dedication to producing quality products endures, and their determination to contribute meaningfully to the chemical industry remains unshaken.





The Company's Accomplishments

Aria Shimi Rayka, the knowledge enterprise, has effectively utilized its scientific and technical capabilities. It has remained dedicated to its obligations towards manufacturing firms while also actively contributing to the growth of domestic chemical production. Beginning in 2017, the company's noteworthy achievements include successful product exports to foreign markets. Specifically, it has established its presence in over 15 countries across the Middle East and Central Asia.

Furthermore, the company has set its sights on a comprehensive objective. This aspiration involves not only continued global product exports but also a steadfast and enduring international footprint within this industry. To achieve this goal, the company aims to enhance its export operations and engage in extensive marketing in the forthcoming years.

Aria Shimi Rayka's reputation is well-earned due to its substantial manufacturing capacity, particularly in the production of Glycerol (Oral glycerin), Cocamidopropyl Betaine, Alkyl Dimethyl Betaine, Cocamidopropyl Dimethyl Hydroxy Soltin, Cocamidopropyl Dimethyl Amine Oxide, Lauryl Dimethyl Amine Oxide, Disodium lauryl sulfosuccinate, Disodium laureth sulfosuccinate, Disodium Oleamide MEA Sulfosuccinate, Pearl Sodium Lauryl Ether Sulfate (Pearl Texapon), Ammonium Lauryl Ether Sulfate, Poly Ethylene Glycol 3 Distearate, Poly Ethylene Glycol-7-Glyceryl Cocoate, Alkyl Lactate, Coconut Diethanol Amide, Soya Diethanol Amide, Coconut Mono Ethanol Amide, Oleic Acid Diethanol Amide, Ethylene Glycol Monostearate, Ethylene Glycol Distearate, Glycerin Monostearate 40, Di Alkyl Ester Ammonium meto sulfate (ESTERQUAT), Di Alkyl Ester Ammonium metosulfate (Liquid Esterquat), Benzalkonium Chloride, Isothiazolinone Maleic Acrylic Copolymer, Mixture of Cationic and Non-ionic Surfactants, Mixture of Nanoionic and Amphoteric Surfactants, tri ethanolamine lauryl sulfate 30%, Fatty Acid Methyl Ester, soap noodle-Bath, soap noodle-laundry, soap noodle-Washing, Potassium Oleate, Raisin Oil, Phosphate Ester, Concrete & Drilling Foam, Polyoxy Ethylene 20 Sorbitan Mono laurath, Polyoxy Ethylene 20 Sorbitan Monostearate, Polyoxy Ethylene 20 Sorbitan Mono Oleate, Sorbitan Monolaurath, Sorbitan Monostearate, Sorbitan Monooleate.

This achievement has been coupled with close collaborations with scientific research centers, positioning the company as a trailblazer in its field.

Aria Shimi Rayka's knowledge-centric approach is reflected in its adoption of the latest global knowledge and modern industrial technologies. This commitment extends to fulfilling its responsibilities to both the environment and society. In recognition of its dedication, the company has garnered the following certifications:

- ISO 14001 : 2015 Environmental Management system
- ISO 9001 : 2015 Quality Management system
- ISO 45001 : 2018 Occupational Health and Safety Management system
- URSA Understanding Responsible Sourcing Audit
- GMP 2022:PRM-115-01



ARIA SHIMI RAYKA CO.



ARIA SHIMI RAYKA CO.



The laboratory at **Aria Shimi Rayka** Company effectively employs state-of-the-art tools, precise formulations, and top-tier raw materials. Additionally, the laboratory has earned the Laboratory Qualification Standard INSO- ISO/IEC 17025 accreditation. Through the implementation of intelligent and comprehensive quality control measures, along with the enhancement of pilot units and the utilization of modern and inventive scientific management techniques, the laboratory has skillfully established a vital link between its industrial operations and production lines. This strategic connection enables the company to swiftly create and manufacture specialized chemicals tailored to meet the specific requirements of customers.

The company with strong production capacity in manufacturing of:

- Glycerin
- Cocamidopropyl Betaine
- Alkyl Dimethyl Betaine
- Cocamidopropyl Hydroxy Sultaine
- Cocamidopropyl Dimethyl Amine Oxide
- Lauryl Dimethyl Amine Oxide
- Disodium Laureth Sulfosuccinate
- Disodium Lauryl Sulfosuccinate
- Disodium Oleamido MEA Sulfosuccinate
- Pearly Sodium Lauryl Ether Sulfate
- Ammonium lauryl Ether Sulfate
- Poly Ethylene Glycol 150 Distearate
- Poly Ethylene Glycol 3 Distearate
- Poly Ethylene Glycol 7 Glyceryl Cocoate
- Alkyl Lactate
- Coconut Diethanol Amide
- Soya Diethanol Amide
- Coconut Mono Ethanol Amide
- Oleic Acid Diethanol Amide
- Ethylene Glycol Monostearate
- Ethylene Glycol Distearate
- Glycerin Monostearate 40
- Dialkylester Ammonium Methosulfate (Esterquat)
- Dialkylester Ammonium Methosulfate (Liquid Esterquat)
- Benzalkonium Chloride
- Chloro Methyl Isothiazoline and Methyl Isothiazoline
- Maleic Acrylic Copolymer
- Mixture of Cationic and non-ionic Surfactants
- Mixture of Non-Ionic and Amphoteric Surfactants
- Triethanol Amine Lauryl Ether Sulfate
- Fatty Acid Methyl Ester
- Soap Noodle-Bath
- Soap Noodle-Laundry
- Soap Noodle-Washing
- Potassium Oleate
- Raisin Oil
- Phosphate Ester
- Concrete and Drilling Foam
- Polyoxy Ethylene 20 Sorbitan Monolaurate
- Polyoxy Ethylene 20 Sorbitan Monostearate
- Polyoxy Ethylene 20 Sorbitan Monooleate
- Sorbitan Mono Laurate
- Sorbitan Mono Stearate
- Sorbitan Mono Oleate



ARIA SHIMI RAYKA CO.

AriaGlycerol

Chemical Name :
Glycerol



Introduction »

This product contains at least 99 % purity.

Property »

Glycerin (C₃H₈O₃), also known as glycerol, is an odorless, colorless, oily, viscous liquid that has a sweet taste. Which is obtained by purifying and condensation crude glycerin from the hydrolysis of vegetable oils, and is a completely natural substance and all relevant qualitative and quantitative properties, conform to international standards.

Application »

It's a multi-functional substance which is widely used in hygienic industry and a lot of other various products including Cosmetic industries, (skin creams and lotions) laundry and bathing soaps , toothpaste and mouthwash, shaving cream, deodorants , as well as a sweetener in the Food and beverages industries and also animal feed. It's also one of the most usable Excipient in pharmaceutical products like ointments , syrups, tablets and capsules , suppositories and allergic immunotherapy treatment, oral plague and Treatment of wounds and superficial cuts. Other usage includes in paper industry , anti- freezing chemicals , Resin industry (alkyd resin) and dyeing and military (Glycerin is used in the preparation of nitro glycerin, which is an essential ingredient in explosives.

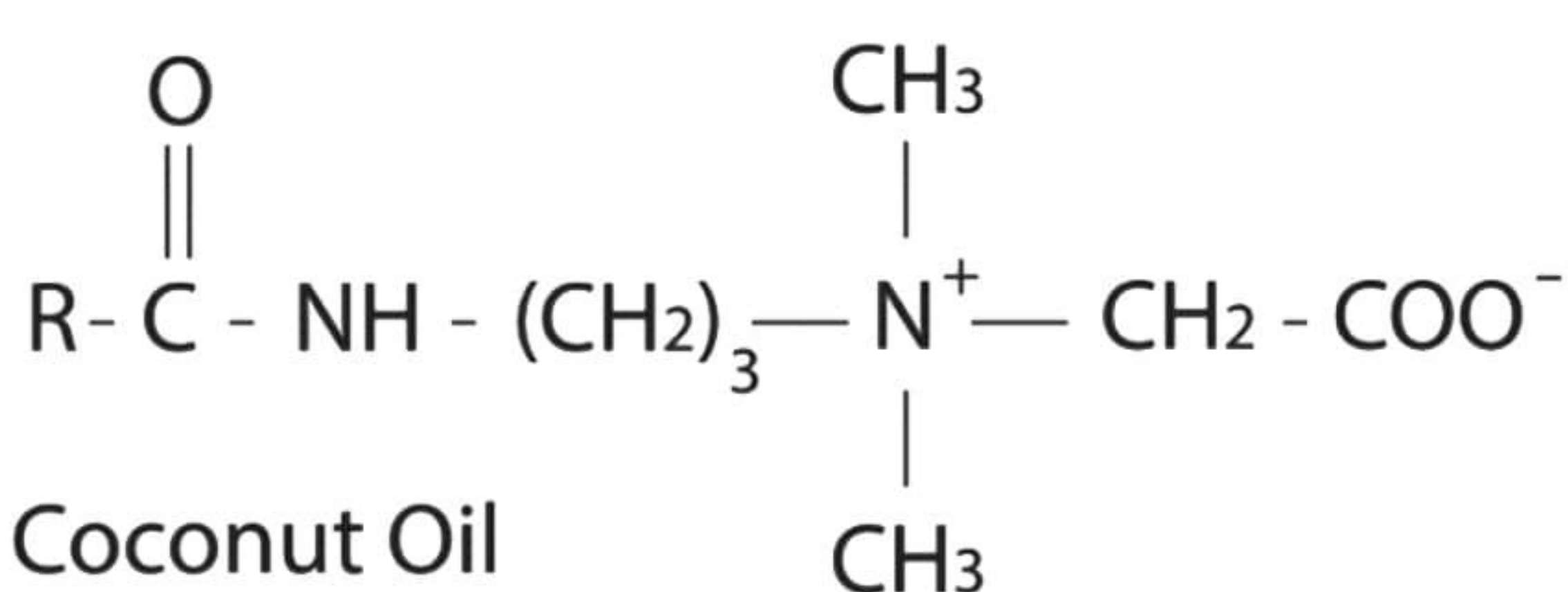
Parameter	Limits	Unit
*Identification		
A	Comply with USP	-
B		
C		
Assay	99-101	%
Chloride	< 10	ppm
Sulfate	< 20	ppm
Residue on ignition	< 0.01	%
*Related compounds		
Individual impurity	< 0.1	%
Total impurity	< 1.0	
Chlorinated compounds	< 30	ppm
Fatty acids & esters	< 1	mL NaOH 0.5 N
Color	Comply with USP	-
Specific gravity	>1.249	-
Water determination	< 5	%



ARIA SHIMI RAYKA CO.

Betayria

Chemical Name :
Cocamidopropyl Betaine



Introduction »

Betayria contains at least 29 % of the Cocamidopropyl Betaine active agent.

Property »

Betayria is a very mild detergent and can be used as primary or secondary surfactant. It is also a foam and viscosity enhancer and is capable of mixing with anionic, cationic and nonionic surfactants. The unique features of Betayria along with the standard DCA and MCA, are the low amido amine percentage and the very mild and desirable color without the bleaching process compared to similar products.

Application »

Shampoos / Bathing cleaners / hand washing liquids / Bath Gels Creams & Lotions / Hair Conditioners

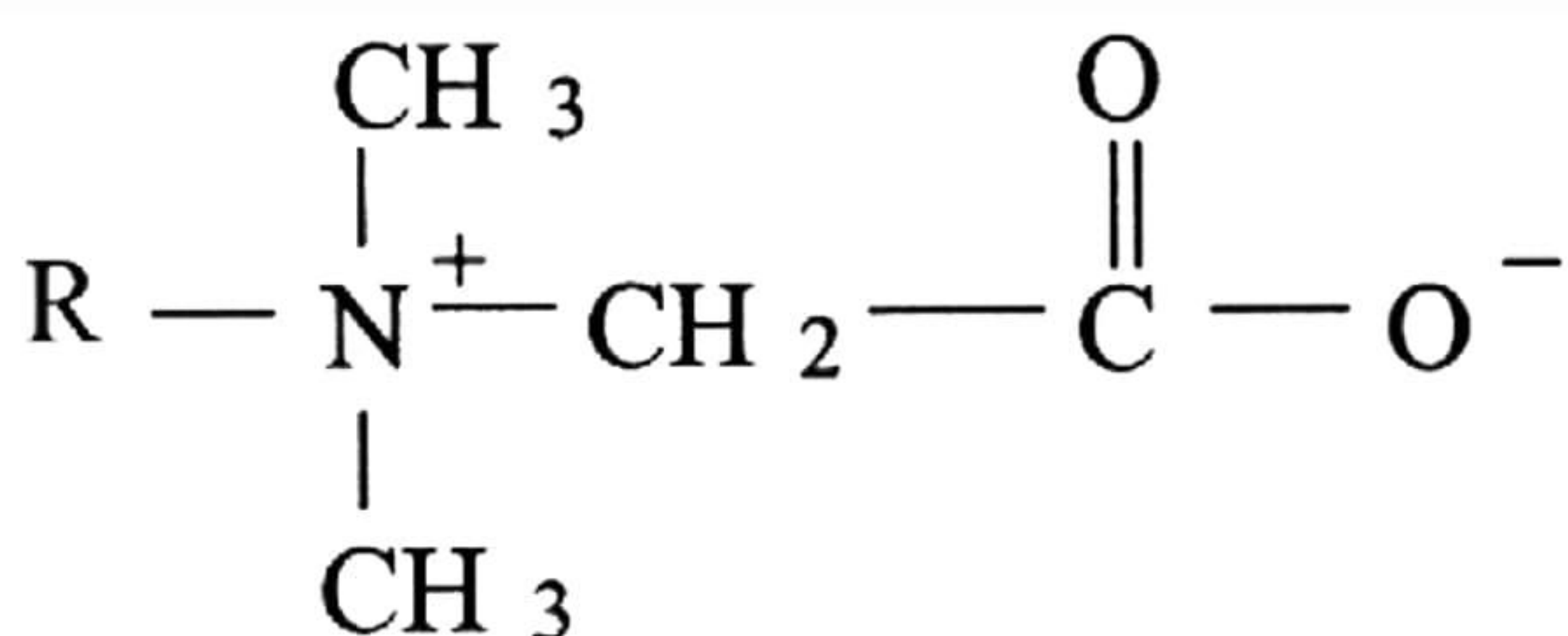
Parameter	Limits	Unit
Appearance(25°C)	Pale yellow Liquid	-
Free Amidoamine	Max 0.5	%
Active Amphoteric Matter	Min 29	%
Free MCA	Max 5	ppm
NaCl	Max 6	%
Dry Matter(105°C)	38±1	%
Free DCA	Max 10	ppm
pH 10%	4-6	%
Free H ₂ O ₂	Max 20	ppm



ARIA SHIMI RAYKA CO.

Betayria AL

Chemical Name :
Alkyl Dimethyl Betaine



Introduction »

Betayria contains 29-31 % of the Coco Alkyl Betaine active agent.

Property »

Viscosifier, foam Booster and Stabilizer, Hair Conditioning Agent.

Application »

Viscosity Booster / Foam Booster / Hair Conditioner / Bath Foam / Shampoo / Liquid Washing Soaps / Liquid Detergents (Laundry Liquids).

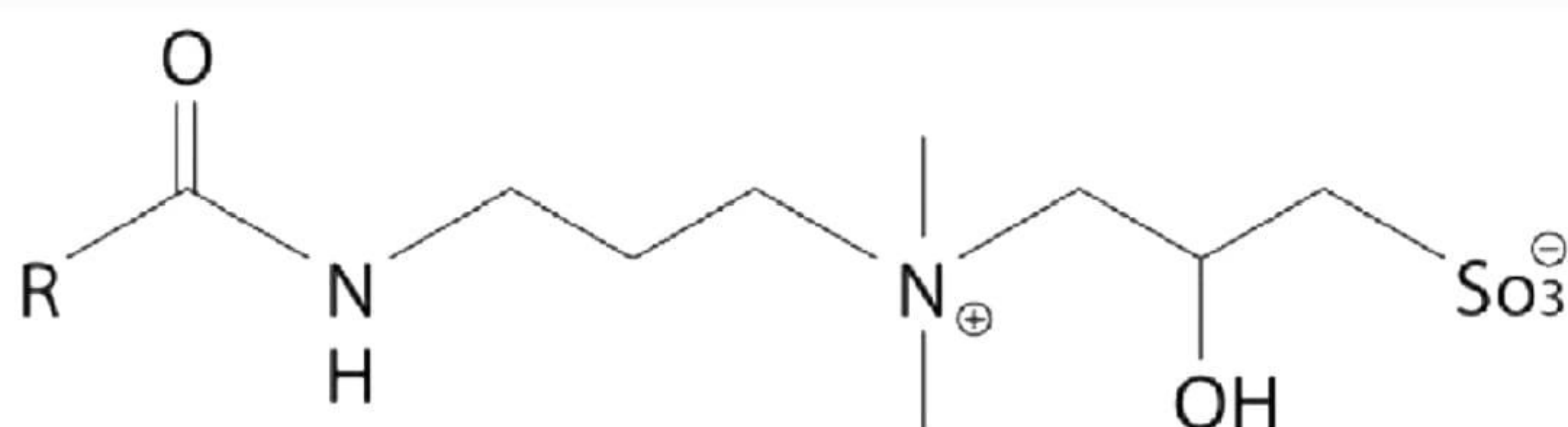
Parameter	Limits	Unit
Appearance (25°C)	Light yellow & Clear Liquid	-
Active Amphoteric Matter	30±1	%
Free Amine	Max 0.5	%
Dry Matter(105°C)	Max 39	%
NaCl	Max 7.5	%
pH 10%	4.5-7	%
Density (25°C)	1-1.2	g/cm ³
Free H ₂ O ₂	Max 20	ppm



ARIA SHIMI RAYKA CO.

Ariasultaine

Chemical Name :
Cocamidopropyl Hydroxy Sultaine



Introduction »

Ariasultaine contains at least 49% of the Cocamido Propyl Hydroxy Sultaine active agent.

Property »

Ariasultaine is used as a secondary cleansing agent (co-surfactant) and a foam booster and viscosifier. Cocamido propyl hydroxy sultaine is similar to cocamido propyl betaine. A mild synthetic detergent used as a foam booster, thickener, antistatic agent and mixable and compatible with anionic, cationic and nonionic surfactants. In 2-in-1 shampoos, which act as both very mild cleaner and moisturizer. Available in molded soaps, body shampoos and detergents and industrial cleaners including metal and surfaces cleaners.

Application »

2-10% Body Shampoos & cleaners / 2-10% Liquid Soaps / 1-5% Bathroom Detergents / 1-5% All Purpose Cleaners / Tile & Bathtub Cleaners

Parameter	Limits	Unit
Appearance (25°C)	Colorless to pale yellow Liquid	-
Dry Matter (105°C)	49-52	%
pH 10%	6-8	%
NaCl	6-7	%
Viscosity	120-180	cP
Color	Max 2.5	Gardner
Density	1.100-1.115	g/ml

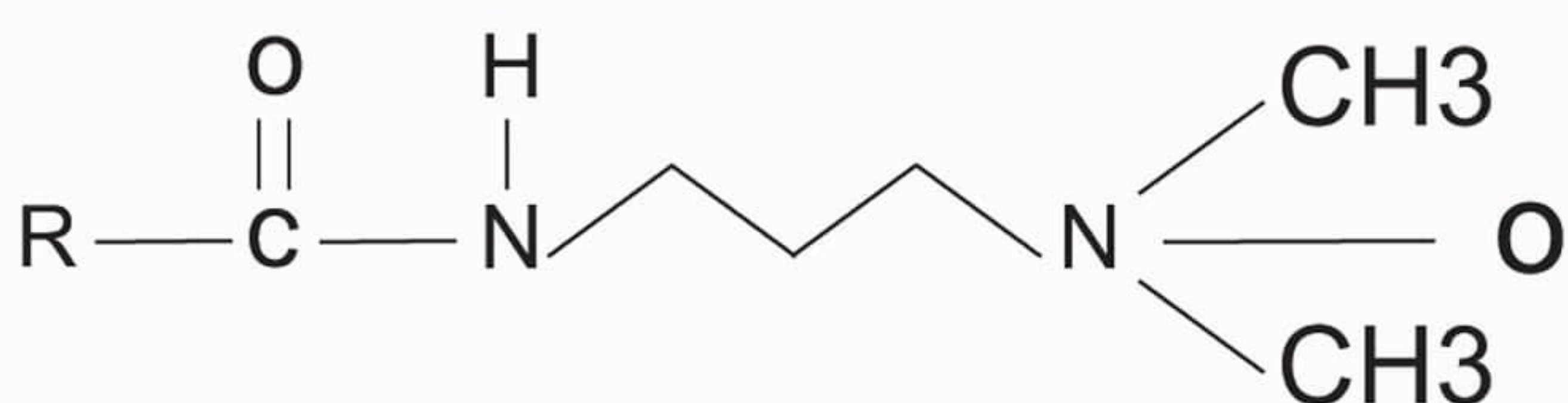


ARIA SHIMI RAYKA CO.

Ariaoxine

Chemical Name :

Cocamidopropyl Dimethyl Amine Oxide



Introduction »

This product contains at least 28% Cocamidopropyl Dimethylamine Oxide active agent.

Property »

This compound is used in the formulation of personal and home care products. This product has excellent antistatic features, softening with foam enhancing and stabilizing performance. It also has a very high thickening ability and is effective in formulations for removing dirt and oil.

Application »

Baby Shampoo / Bath Shampoo / Body Wash liquids / Hand & Face washing liquids / cleaners of metals / Industrial Acidic & Alkaline Detergents / Shaving Gels / Drilling industry .

Parameter	Limits	Unit
Appearance(25°C)	Colorless to pale yellow Liquid	-
Active Matter	30±2	%
Free Amine	Max 1	%
H ₂ O ₂	Max 0.1	%
pH10%	6-8	%
Color	Max 50	Hazen
Dry Matter (105 °C)	31-35	%



ARIA SHIMI RAYKA CO.

Ariaoxine LO

Chemical Name :
Lauryl Dimethyl Amine Oxide



Introduction »

Ariaoxine LO contains at least 30% active agent.

Property »

As emulsifier, foam booster, foam stabilizer, moisturizing agent, dispersant in paint industry, stable in acidic and alkaline environments, stable in bleach and whitening containing environments, formulation with anionic, non-ionic and cationic substances.

Application »

Shampoos / Hand wash liquids / Dishwasher liquids / Hair conditioners / Creams & Lotions Industrial cleansers & cleaners containing acidic, alkaline & bleach reagent.

Parameter	Limits	Unit
Appearance(25°C)	Colorless to Pale yellow Liquid	-
Active Matter	30±2	%
Free Amine	Max 1	%
H ₂ O ₂	Max 0.1	%
pH10%	6-8	%

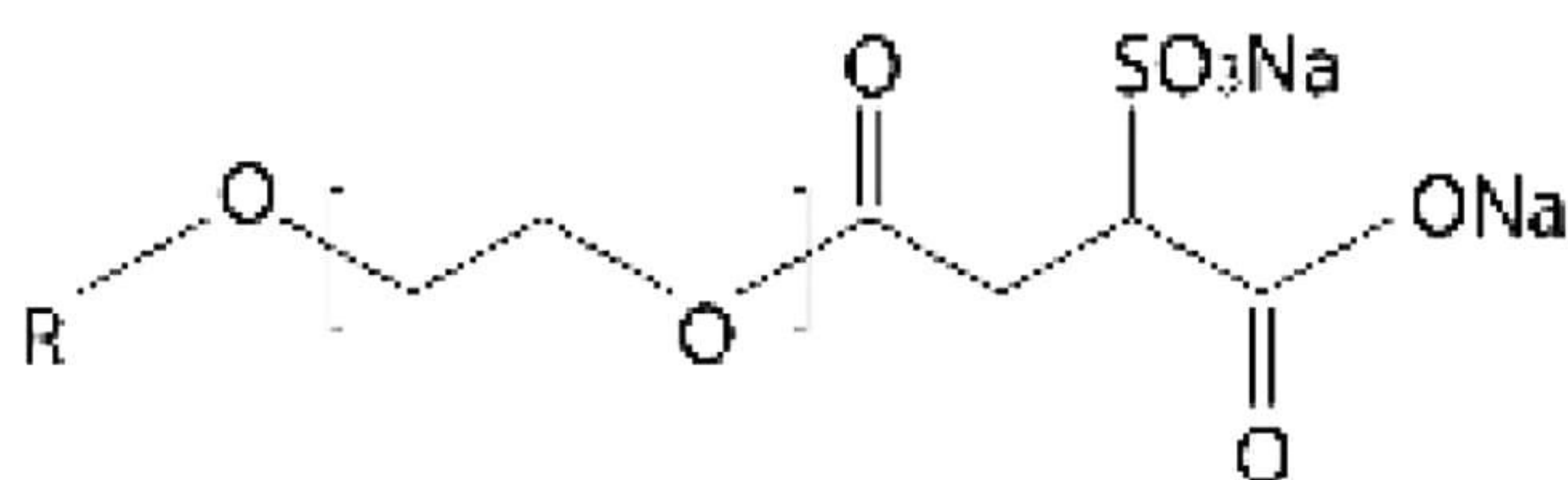


ARIA SHIMI RAYKA CO.

Ariaccinate

Chemical Name :

Disodium Lauryl Ether Sulfosuccinate



Introduction »

Ariaccinate contains at least 32% of the active substance disodium laureth sulfosuccinate.

Property »

Ariaccinate is an anionic surfactant which is used as the primary and secondary surfactant in detergent formulations. This product is mild and hydrotropic cleanser. One of the unique features of this compound is its light color which does not require the bleaching process.

Application »

Baby Shampoo / light Shampoos without skin irritations / Sulfate-free shampoos / hand washing liquids without causing skin irritation / creams & lotions / cleansers.

Parameter	Limits	Unit
Anionic Active	Min 32	%
Dry Matter (105 °C)	38-42	%
Density (25°C)	1.0-1.1	g/ml
Free Sodium Sulfite	Max 10	ppm
Viscosity (25°C)	Max 200	cP
pH 5%	5.5-6.5	%

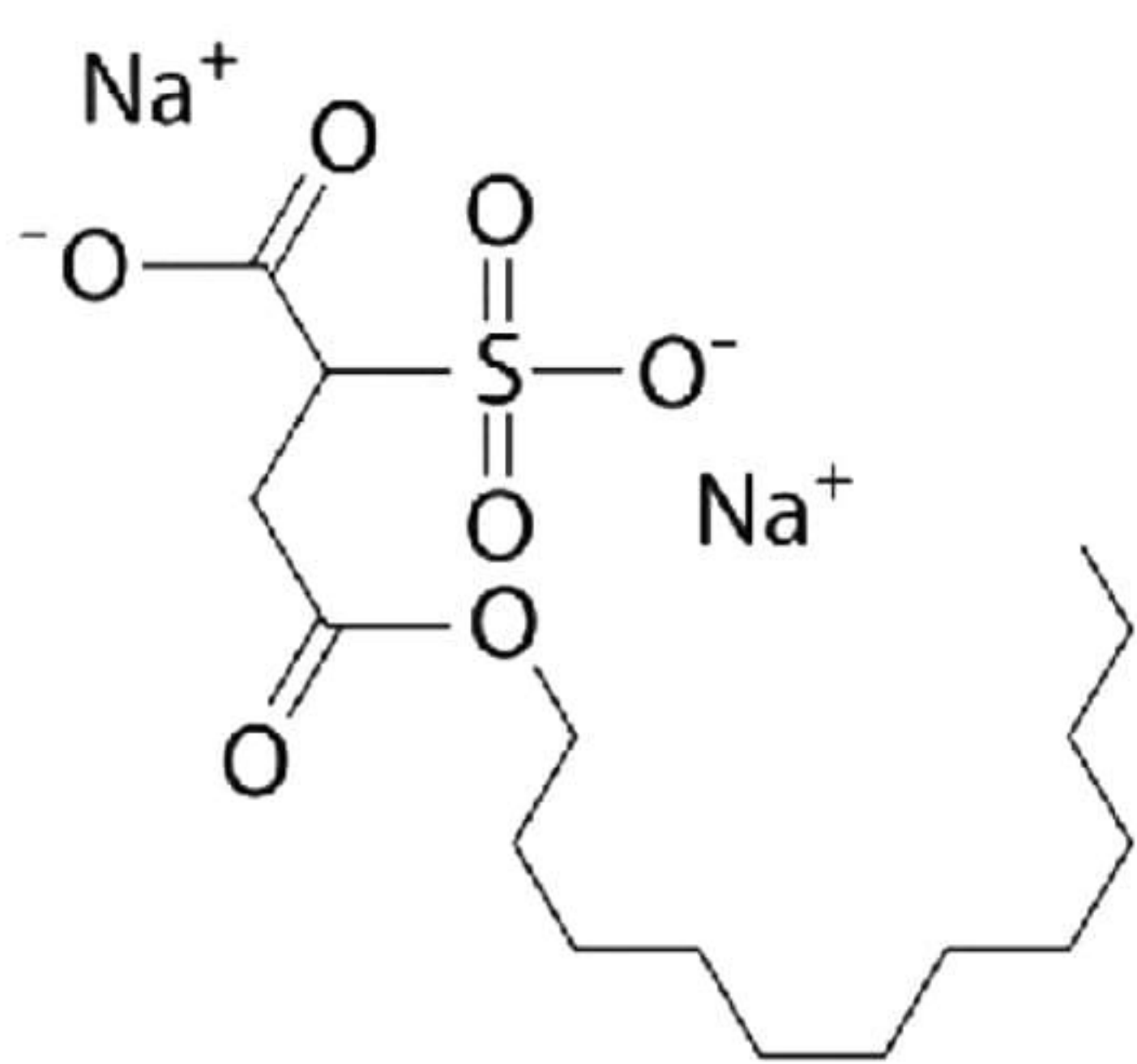


ARIA SHIMI RAYKA CO.

Ariaccinate L

Chemical Name :

Disodium lauryl sulfosuccinate



Introduction »

Ariaccinate L contains at least 32 % of the disodium lauryl sulfosuccinate active agent.

Property »

Mild anionic surfactant, low sensitivity, suitable for the production of hair and body wash detergents, no sulfate, no dioxane and no PEG (due to the use of fatty alcohol derived from natural vegetable oils that have not undergone chemical autoxylation), high volume of foam production, despite other sulfosuccinates provides desirable viscosity along with anionic surfactants, suitable for transparent products.

Application »

Hair Shampoos / Hand wash Liquids / Body Shampoos / Baby Shampoo

Parameter	Limits	Unit
Appearance	White Paste	-
Anionic Active	32-34	%
Dry Matter (105 °C)	38-42	%
Free Sodium Sulfite	Max 10	ppm
pH 5%	5-7	%

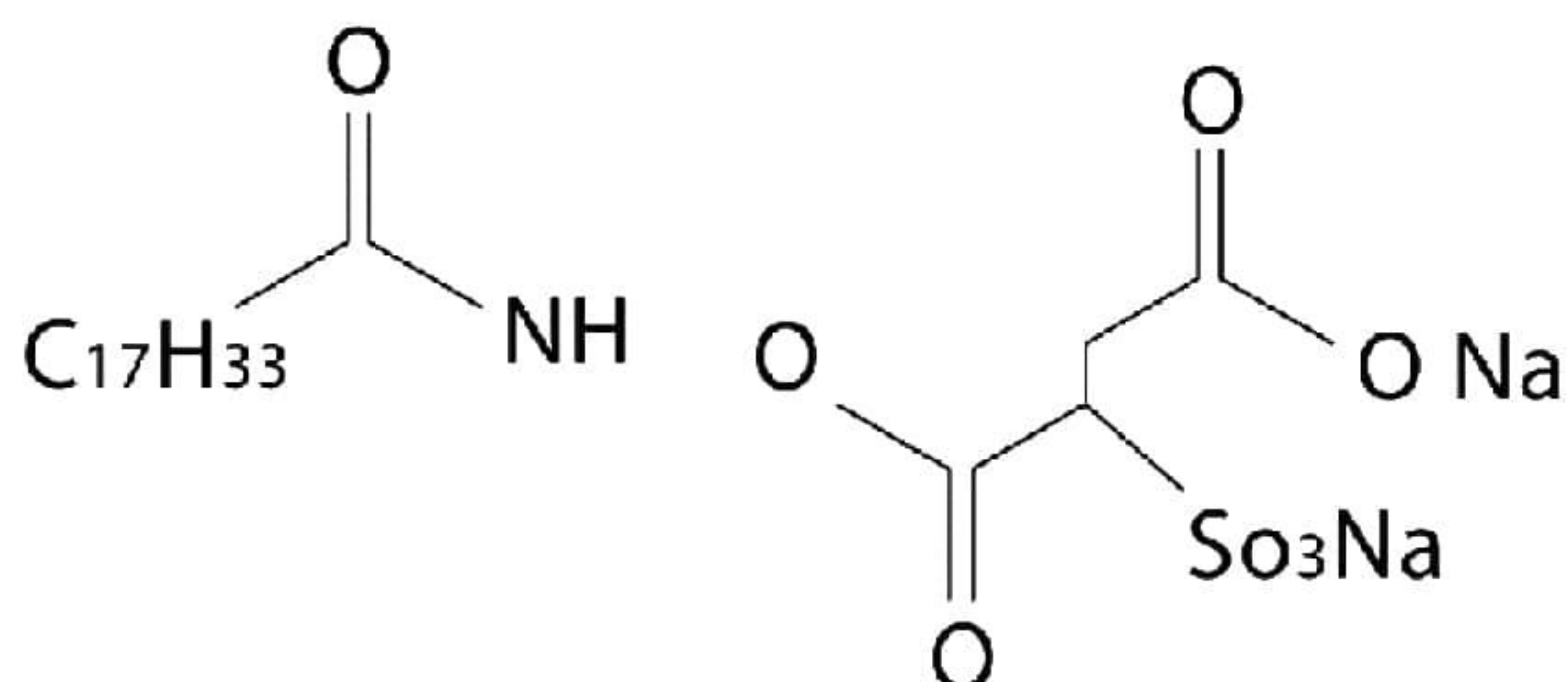


ARIA SHIMI RAYKA CO.

Arexina

Chemical Name :

Disodium Oleamide MEA
Sulfosuccinate



Introduction »

Arexina contains at least 28% of disodium oleamide MEA sulfosuccinate active agent.

Property »

One of the unique features of Arexina surfactant compared to other anionic surfactants is that it is very light and cause less skin and eye irritations and reduces skin damage.

Application »

Baby Shampoo / Mild Shampoos without skin irritation / Sulfate free shampoos
creams & lotions / hand washing liquids without Skin irritation

Parameter	Limits	Unit
Appearance(25°C)	Clear Yellow Liquid	-
Anionic Active(Mw=550)	30±2	%
Dry Matter (105 °C)	36-40	%
Density (25°C)	1.0-1.1	g/ml
Free Sodium Sulfite	Max 10	ppm
Viscosity (25°C)	Max 200	cP
Color (30°C)	Max 1.5	Gardner
pH 5%	5.5-7	%

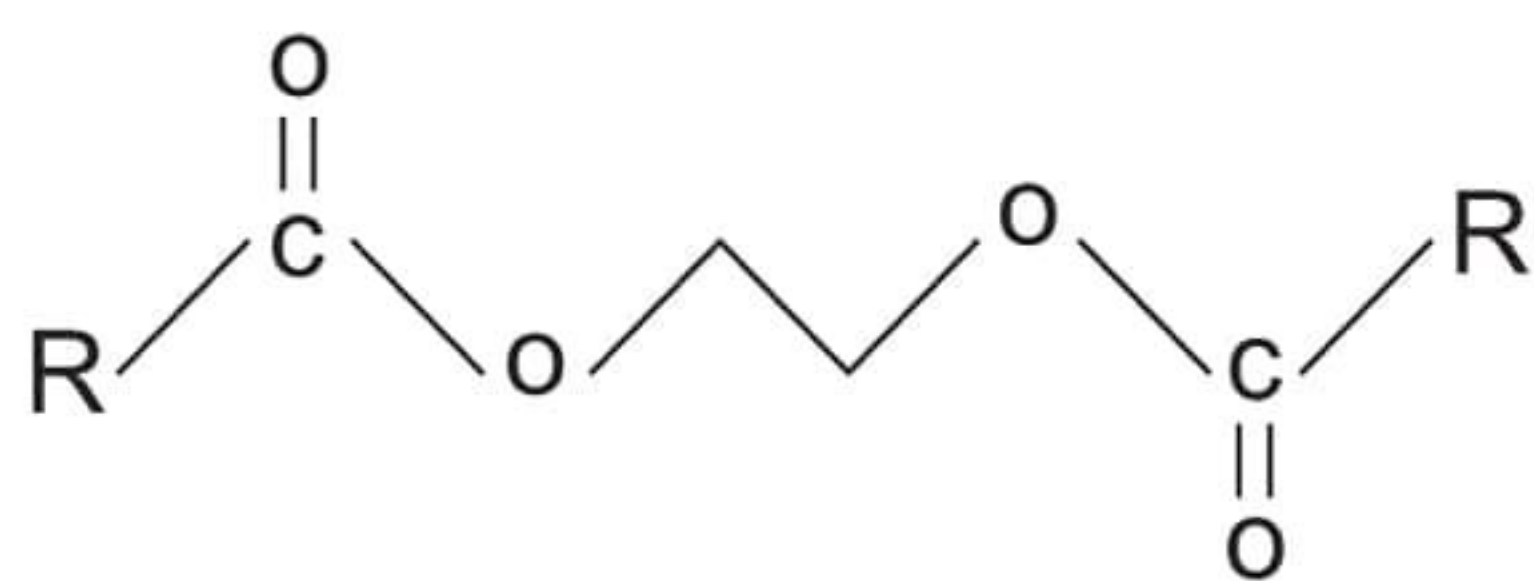
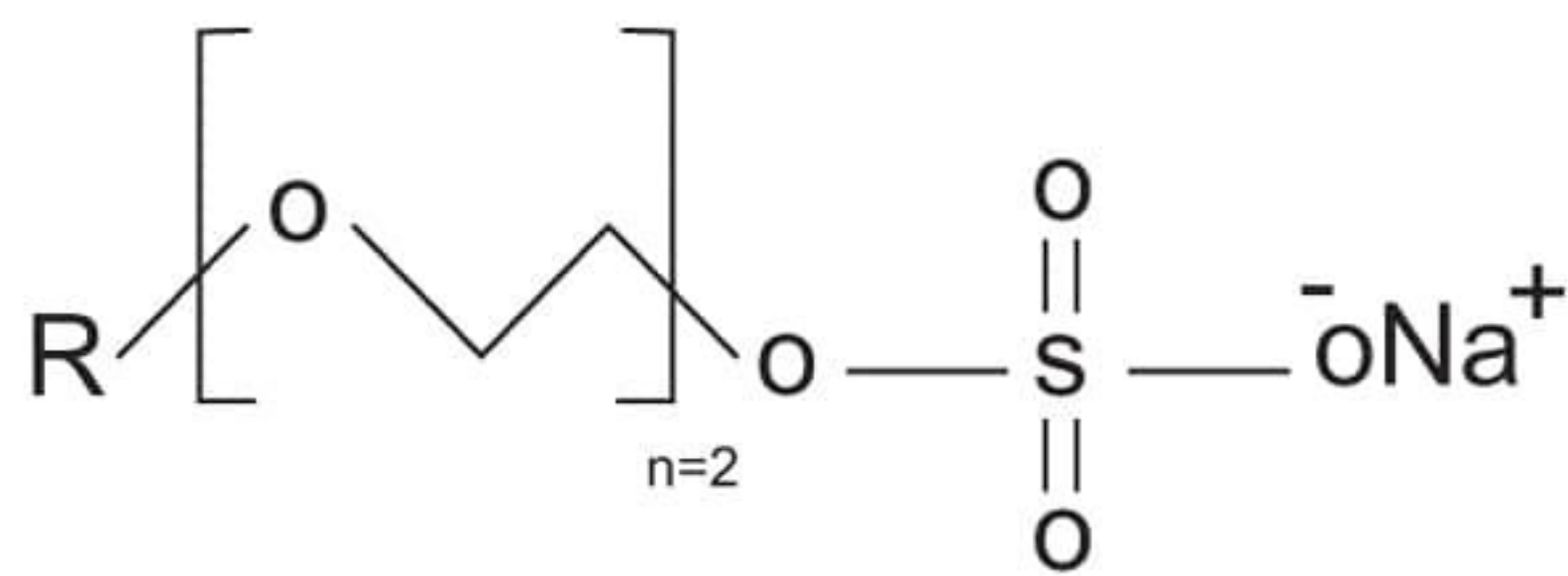


ARIA SHIMI RAYKA CO.

Aperlia

Chemical Name :

Pearly Sodium Lauryl Ether Sulfate



Introduction »

Aperlia contains at least 26.5% Anionic (sodium lauryl ether sulfate) active agent.

Property »

Aperlia has excellent pearling and softening properties and is stable in a wide range of pH.

Aperlia can be mixed with nonionic, anionic and amphoteric surfactants.

Application »

Pearly handwash liquid / Pearly Shampoo.

Parameter	Limits	Unit
Appearance	Pearly white Liquid	-
Anionic Active	26.5-28.5	%
NaCl	0-2	%
pH 10%	7-9	%
Dry Matter (105°C)	Max 43	%

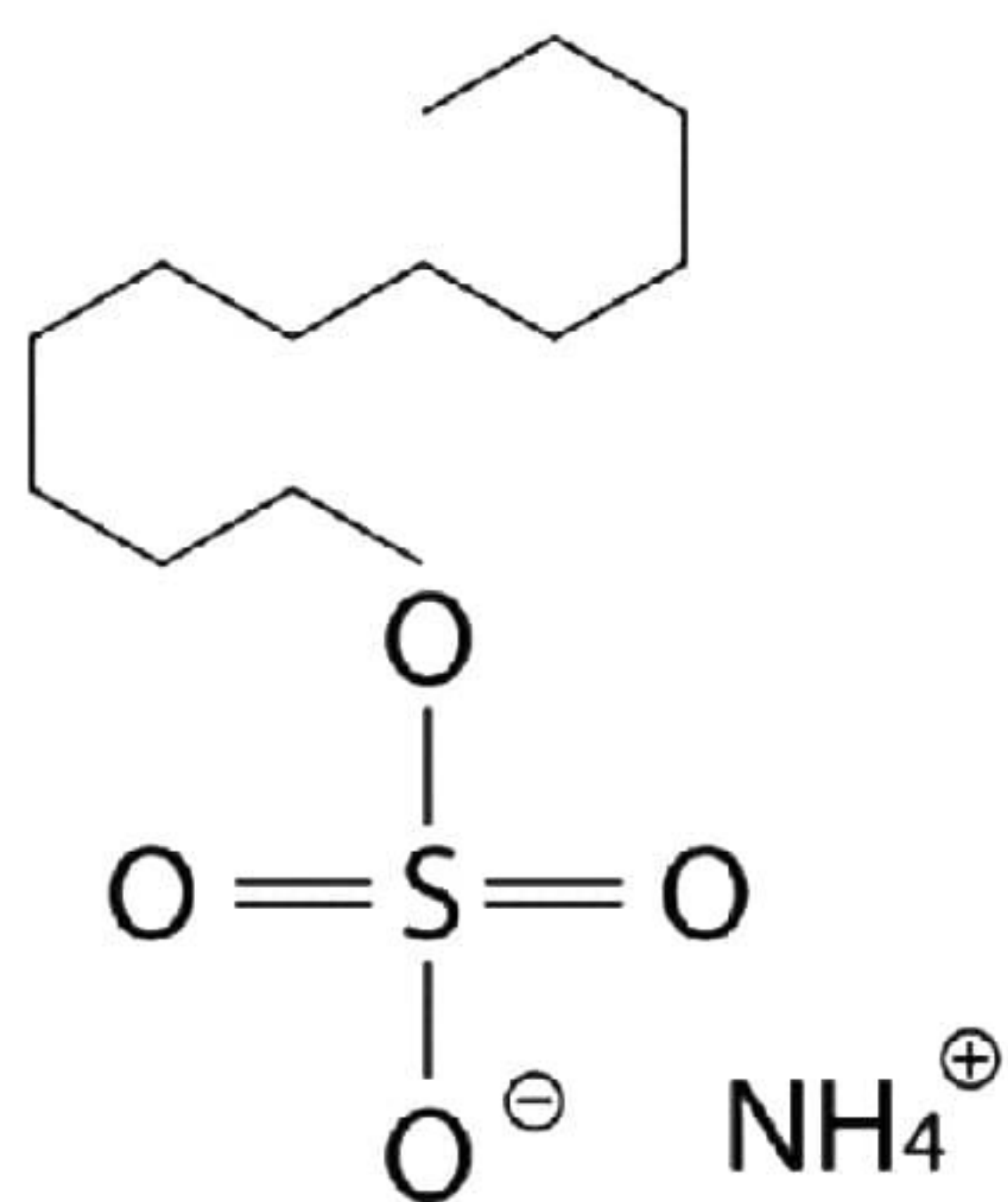


ARIA SHIMI RAYKA CO.

Texapon AL

Chemical Name :

Ammonium Lauryl Ether Sulfate



Introduction »

Texapon AL contains at least 68% of the anionic active agent.

Property »

Texapon AL is a very strong detergent and can be used as the primary or secondary surfactant. It is a powerful cleaning and foaming agent. Ammonium is one of the most widely used anionic groups which has better solubility than sodium salt. This anionic surfactant is safer for the use of different age groups including children, and it is more environmentally-friendly. The ammonium salt is being used in shampoo formulas for a long time in advanced European and American countries more than of sodium salt.

Application »

Children's hair and body shampoos / hand washing and dishwashing detergents.

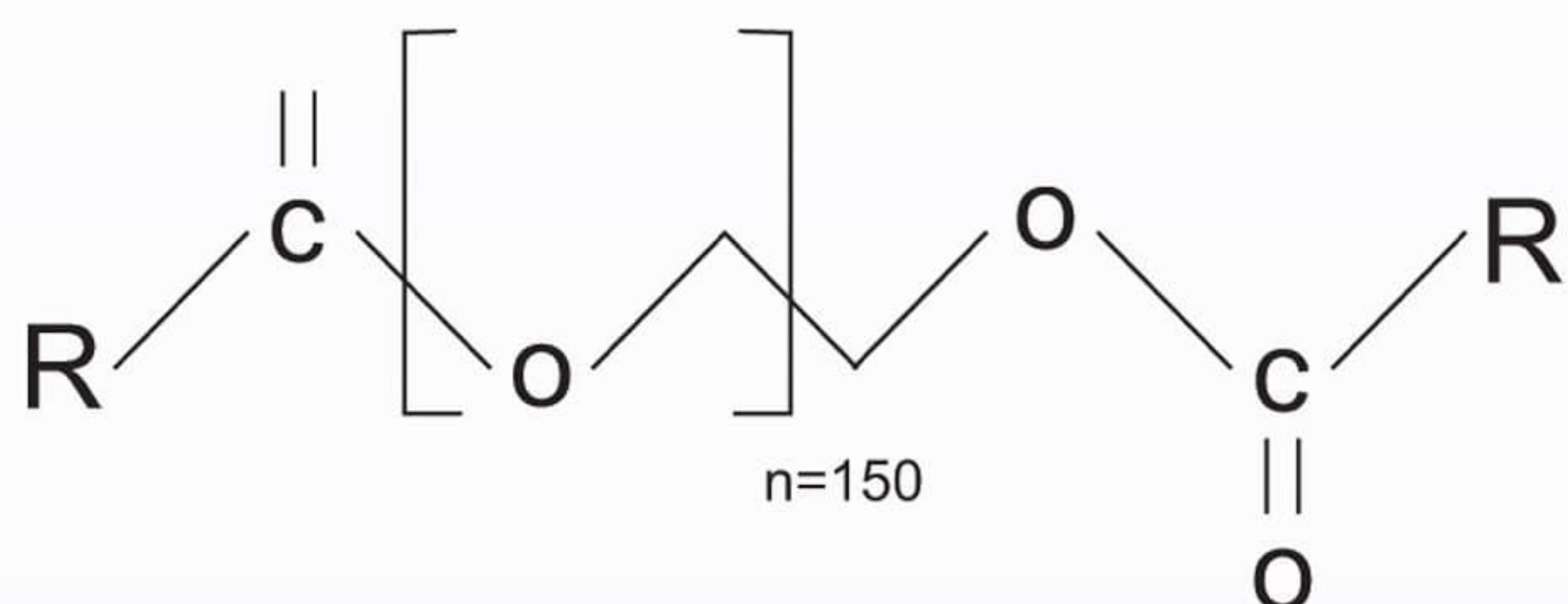
Parameter	Limits	Unit
Appearance	Colorless to Pale Yellow Paste	-
Anionic Active	68-72	%
Free Oil	Max 2	%
1,4-Dioxane(based 70%)	Max 50	ppm
pH 5%	5.0-7.0	%
Color (10% solution)	Max 30	Hazen



ARIA SHIMI RAYKA CO.

AriaPEG 150

Chemical Name :
Poly Ethylene Glycol 150
Distearate



Introduction »

AriaPEG 150 is a diethyl ester of polyethylene glycol with stearic acid and is a kind of macromolecule nonionic surfactants.

Property »

This product has been developed in recent years and has good viscosity and emulsifying properties in different types of products such as shampoos, lotions, hair conditioners, handwashing liquids, moisturizers and etc. Ethoxylated esters have wide variety of applications including dissolvent, providing lipids needed for skin, moisturizers in cosmetic formulations such as facewash detergents, cosmetic cleansers and etc.

Application »

Baby Shampoos / Mild Shampoos / liquid Soaps / face washes / face Cleaners / Deodorants

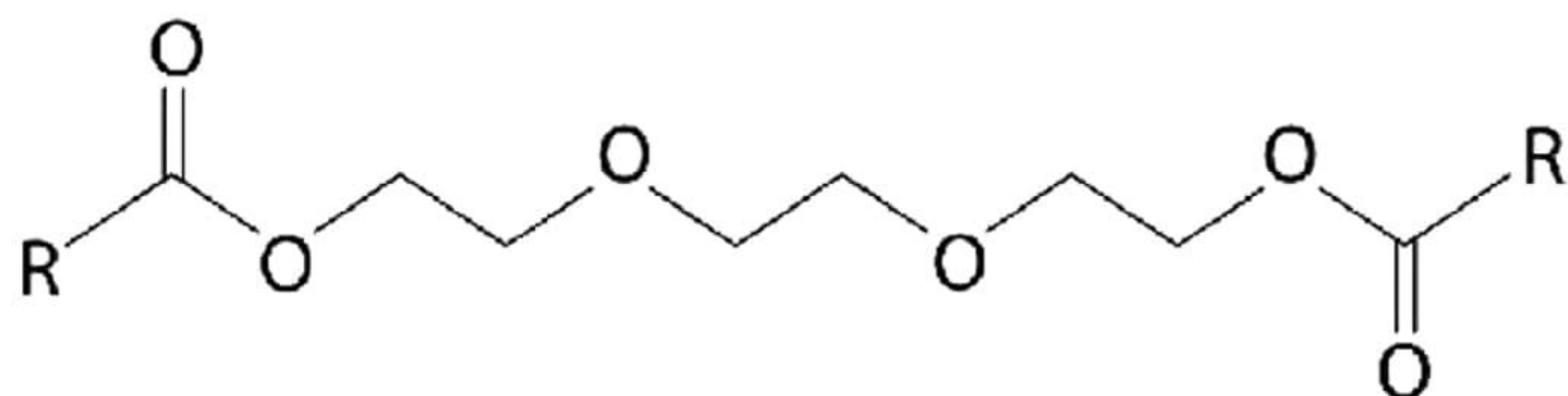
Parameter	Limits	Unit
Appearance	White Flakes	-
Acid Value	Max 10	mg KOH/g
Saponification Value	14-20	mg KOH/g
Iodine Value	Max 0.2	g I ₂ /100 gr sample
Melting Point	52-58	°C



ARIA SHIMI RAYKA CO.

AriaPEG 3

Chemical Name :
Poly Ethylene Glycol 3 Distearate



Introduction »

This product contains the polyethylene glycol 3 Distearate active agent.

Property »

AriaPEG 3 is mainly used as an opacifier and a pearling agent for detergents and cleansers including shampoos, handwash liquids, conditioner formulas, body shampoos, face cleansers and etc.

Application »

Facial cleanser / liquid soaps / shampoos / conditioners

Parameter	Limits	Unit
Appearance	White Flakes	-
Acid Value	Max 7	mg KOH/g
Saponification Value	165-175	mg KOH/g
Iodine Value	Max 1	g I ₂ /100 gr sample
Melting Point	60-65	°C

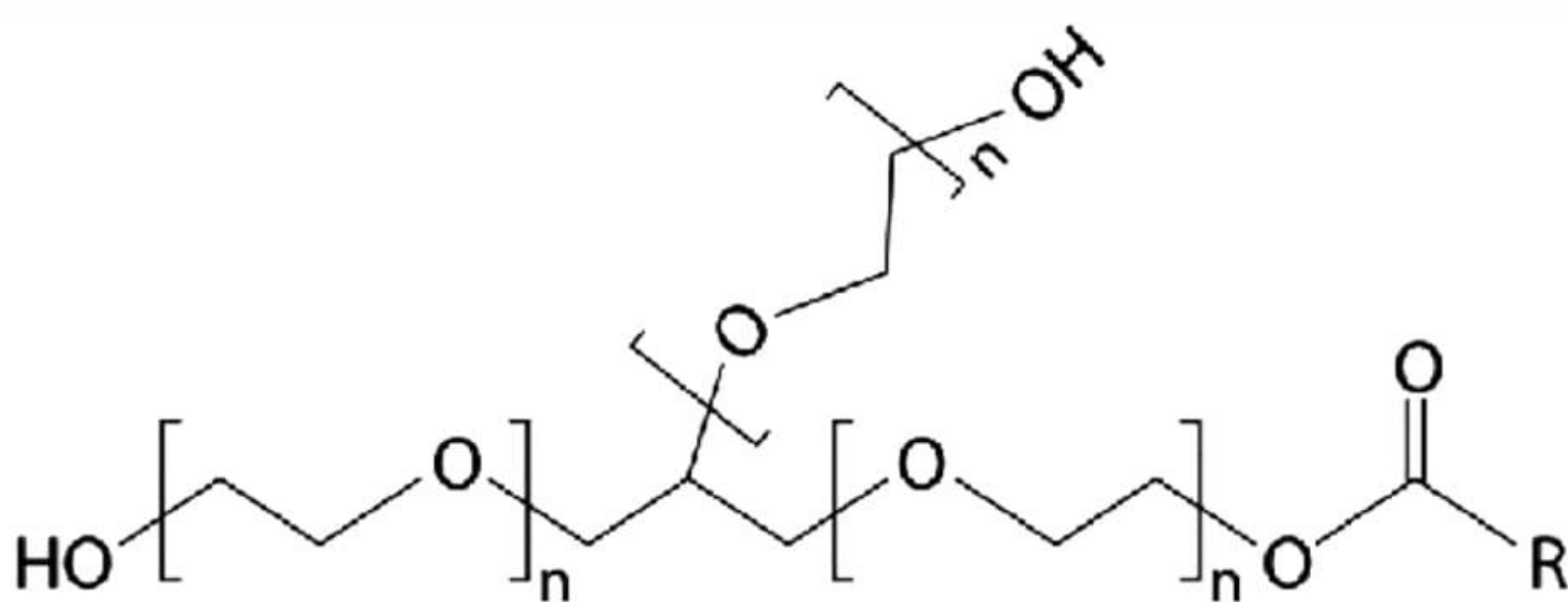


ARIA SHIMI RAYKA CO.

Ariacocoate

Chemical Name :

Poly Ethylene Glycol-7-Glyceryl
Cocoate



Introduction »

This product contains PEG 7 glycerin cocoate active agent.

Property »

Ariacocoate is a colorless to pale yellow liquid, soluble in aquatic and alcoholic solutions, with a distinct odor resembling coconut oil. This nonionic active agent is a fatty acid ester with non-animal origin and is compatible with anionic, cationic and other nonionic surfactants. And it is stable in the normal range used in the cosmetic products. Water- absorbent (humectant), softener, emulsifier with a minimal negative effect on the foaming of the products, and acts as a cosolvent for additives such as essences and oils.

Application »

Body & hair Shampoo / Liquid Soap / Bath Foam / Hair Tonic / Lotions & Skin Creams / Cleansing Tonics & Lotions / After-Shave Lotions.

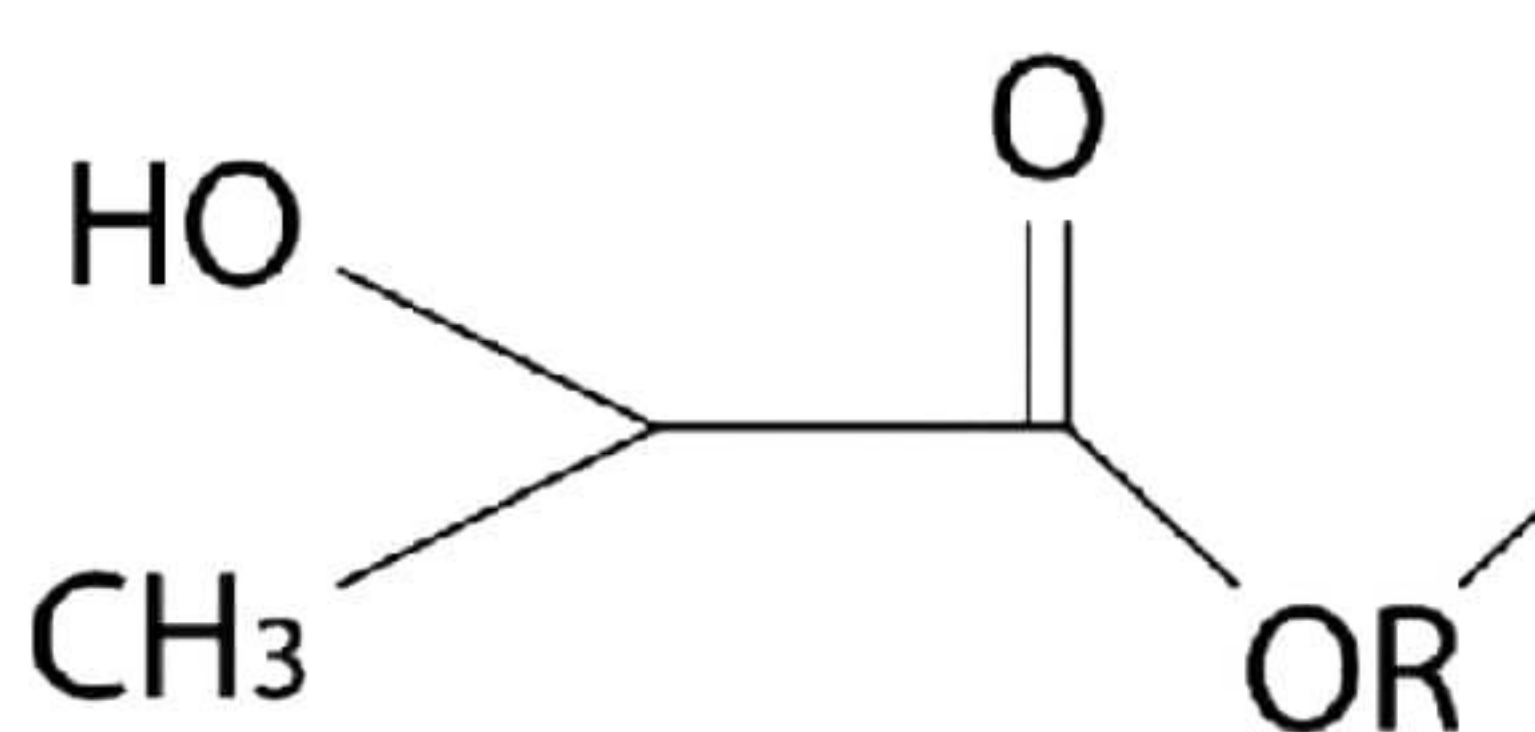
Parameter	Limits	Unit
Appearance(25°C)	Pale Yellow Liquid	-
Acid Value	Max 5	mg KOH/g
Saponification Value	90-105	mg KOH/g
Iodine Value	Max 5	g I ₂ /100 gr sample
Hydroxyl Value	175-195	mg KOH/g
Color	Max 200	Hazen
Moisture	Max 0.5	%
pH1%	6-8	%



ARIA SHIMI RAYKA CO.

Arialactate

Chemical Name :
Alkyl Lactate



Introduction »

This product contains alkyl lactate active agent.

Property »

Aria lactate is an excellent moisturizer. Excellent thickener in aqueous and alcoholic systems, very mild emulsifier with skin (reduced skin sensitivity), Positive effects on reducing turbidity points in transparent products, with minimal effect on product foaming (foam stabilizer).

Application »

Skin Care products / Deodorants / Lipsticks / Bath & Body Oils / Moisturizing Gels / After Shave Lotions

Parameter	Limits	Unit
Appearance (25°C)	Clear Transparent Liquid	-
Free Alcohol	MAX 15	%
Ester Purity	Min 80	%
Acid Value	MAX 10	mg KOH/g
Moisture	MAX 0.5	%
Density (25°C)	0.920-0.935	g/cm ³
Color	MAX 50	APHA
Refractive Index (20°C)	1.440-1.450	-

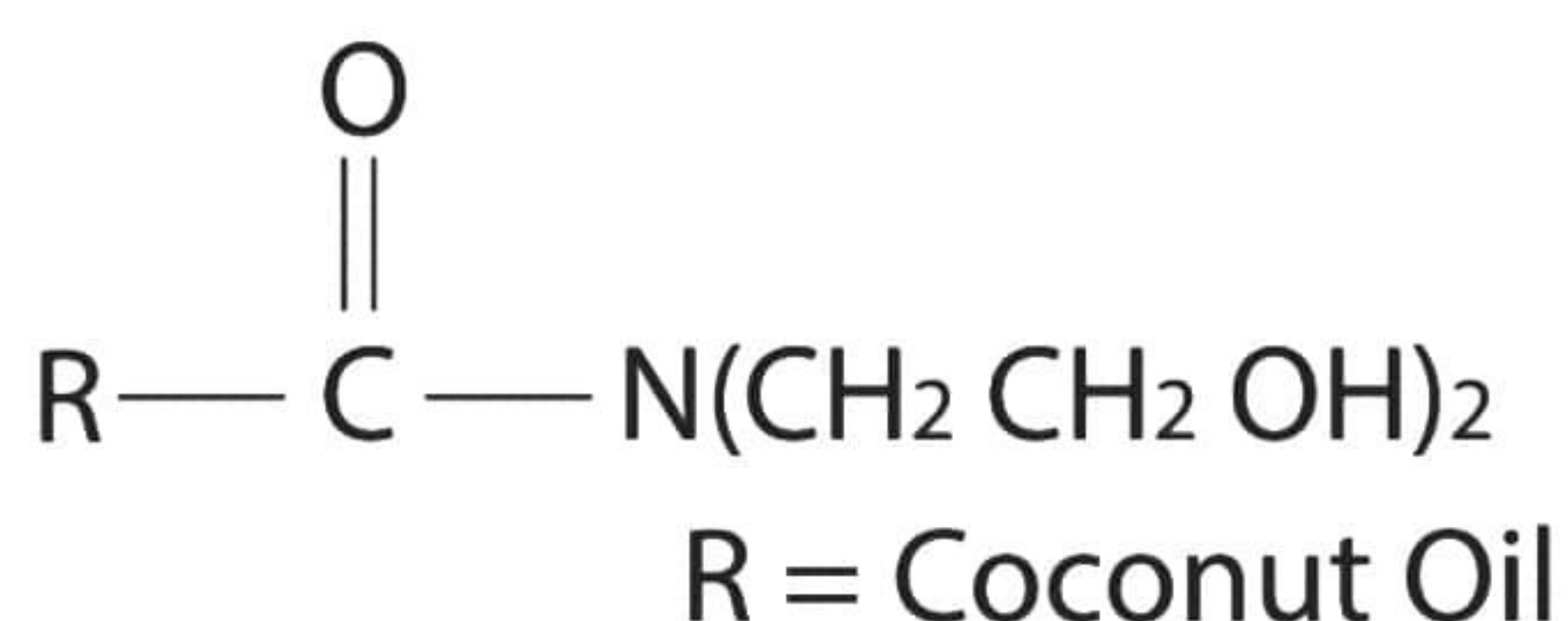


ARIA SHIMI RAYKA CO.

Ariamid

Chemical Name :

Coconut Diethanol Amide



Introduction »

Ariamid contains at least 82% of the Coconut Diethanol Amide as active agent.

Property »

Ariamid is a foam and viscosity enhancer even at low electrolyte concentrations. It also features softening properties. Ariamid's unique properties include its light color and lack of methyl ester and methanol odor.

Application »

Shampoos, bath cleaners/ handwash liquids /liquid detergents.

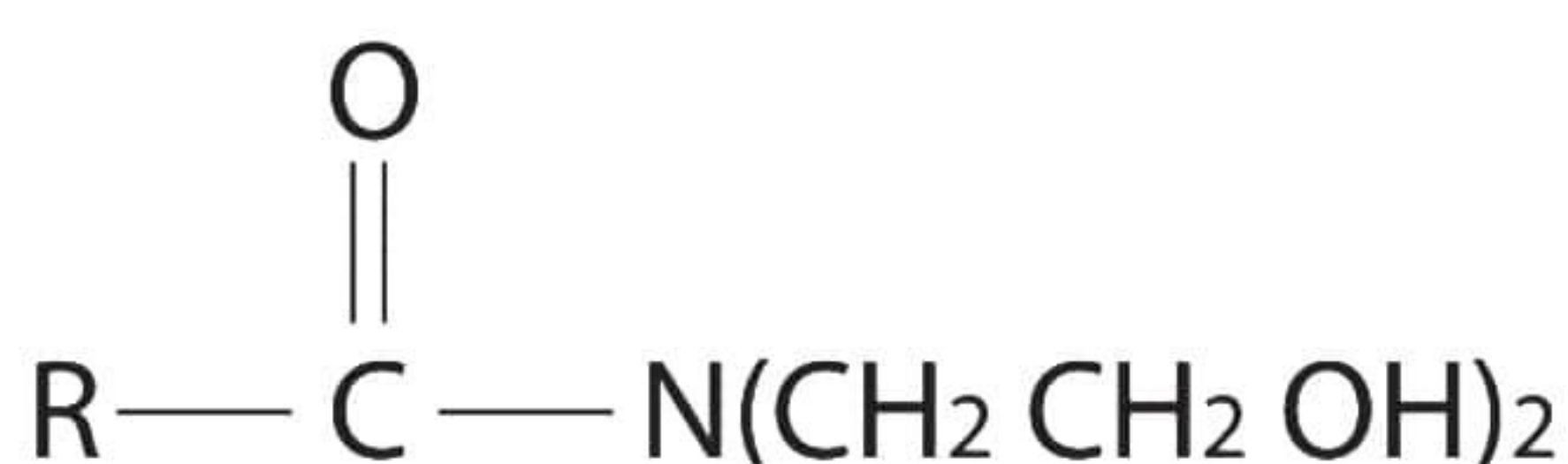
Parameter	Limits	Unit
Appearance	Yellow Viscose Liquid	-
Catalyst	Max 0.3	%
Free Amine	Max 5	%
Free Fatty Acid	Max 0.5	%
Amide Content	Min 82	%
Glycerin	Max 9.5	%
Moisture	Max 0.5	%
pH 1%	9-11	%



ARIA SHIMI RAYKA CO.

Ariamid SD

Chemical Name :
Soya Diethanol Amide



R = Soya Oil

Introduction »

Ariamid SD contains at least 82% of soya diethanolamide active agent.

Property »

Ariamide SD a foam and viscosity enhancer even at low electrolyte concentrations. It also has softening properties. A unique feature of soyamide is its increased viscosity compared to other similar products based on coconut.

Application »

Dishwashing liquids/ shampoos/ liquid detergents/ handwashing liquids.

Parameter	Limits	Unit
Appearance	Yellow Viscose Liquid	-
Catalyst	Max 0.3	%
Free Amine	Max 5	%
Free Fatty Acid	Max 0.5	%
Amide Content	Min 82	%
Glycerin	Max 9.5	%
Moisture	Max 0.5	%
pH 1%	9-11	%

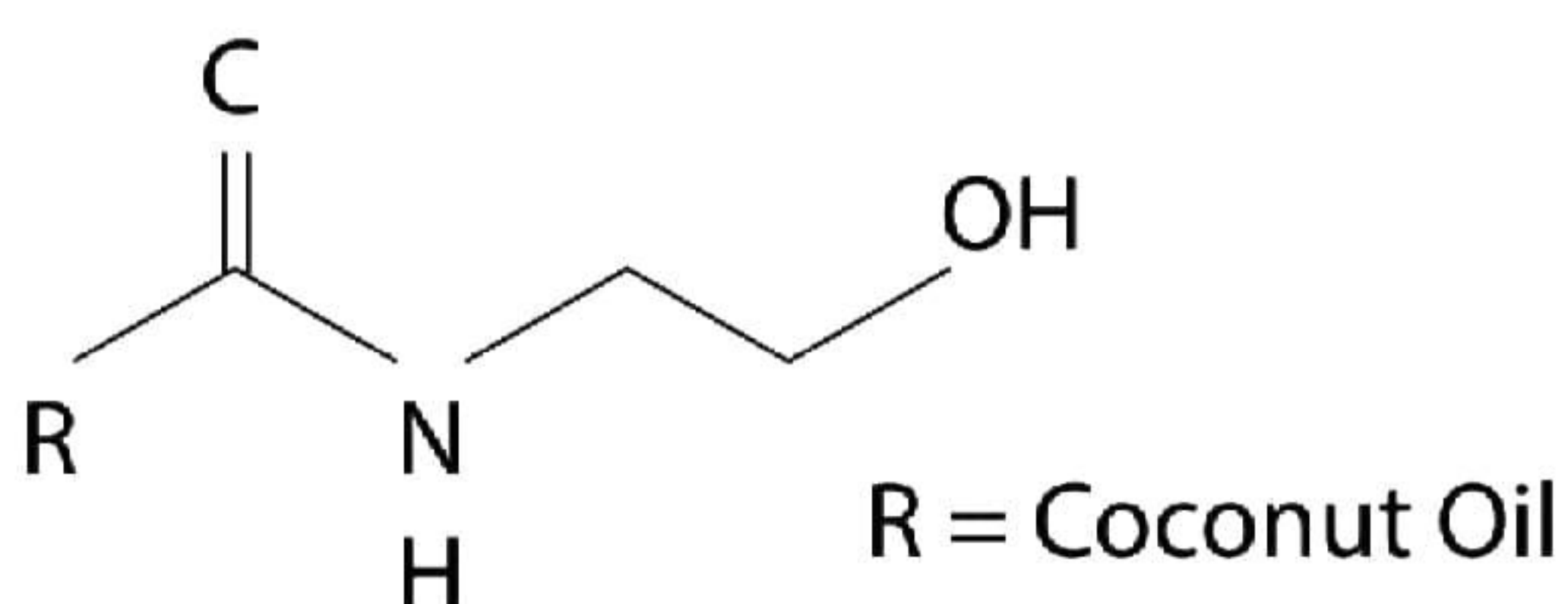


ARIA SHIMI RAYKA CO.

Ariamid CM

Chemical Name :

Coconut Mono Ethanol Amide



Introduction »

Ariamid CM contains at least 82% of the coconut mono ethanolamide active agent.

Property »

Ariamid CM enhances foam and viscosity even at low electrolyte concentrations. It also has softening properties. The unique features of Ariamid CM are the lack of methyl ester, methanol and nitrosamine, softening and foaming ability and greater viscosity compared to other alkanolamides, while Ariamid CM products are competitive with exterior specimens. And makes the finished price more convenient.

Application »

Different types of specialized shampoos that have therapeutic and pharmaceutical aspects Baby Specialized products/ Shampoos/ Bathroom Liquid/ Handwash liquids/ Liquid detergents Dishwashing liquid/ Body Cleansers/ Pharmacy/ Anti- Electrostatic Performance in Textiles

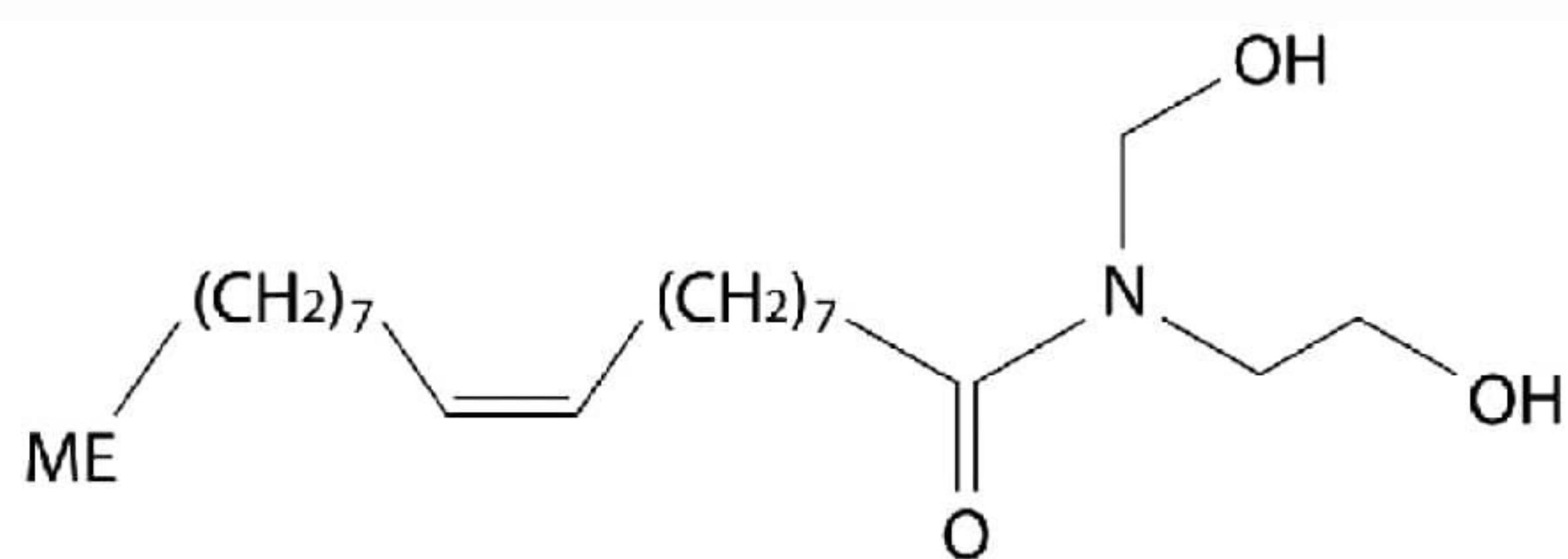
Parameter	Limits	Unit
Apearance	Pale Yellow Flakes	-
Active Matter	Min 82	%
Free Amine	Max 3	%
pH 1%	8.5- 10.5	%
Melting point	60-65	°C



ARIA SHIMI RAYKA CO.

Ariamid OD

Chemical Name :
Oleic Acid Diethanol Amide



Introduction »

This product contains oleic acid diethanolamide active agent.

Property »

This product enhances viscosity and stabilizes foam in anion-based systems such as handwashing liquids, shampoos and body cleaners and other personal care products. It works as a lubricating and moisturizing agent.

Application »

Different types of specialized shampoos that have therapeutic and pharmaceutical aspects Baby Specialized products/ Shampoos/ Bathroom Liquid/ Handwash liquids/ Liquid detergents Dishwashing liquid/ Body Cleansers/ Pharmacy/ Anti- Electrostatic Performance in Textiles

Parameter	Limits	Unit
Appearance	Yellow Liquid	-
Catalyst	Max 0.3	%
Free Amine	Max 5	%
Free Fatty Acid	Max 0.5	%
Amide Content	Min 82	%
Glycerin	Max 9.5	%
Moisture	Max 0.5	%
pH 1%	9-11	-

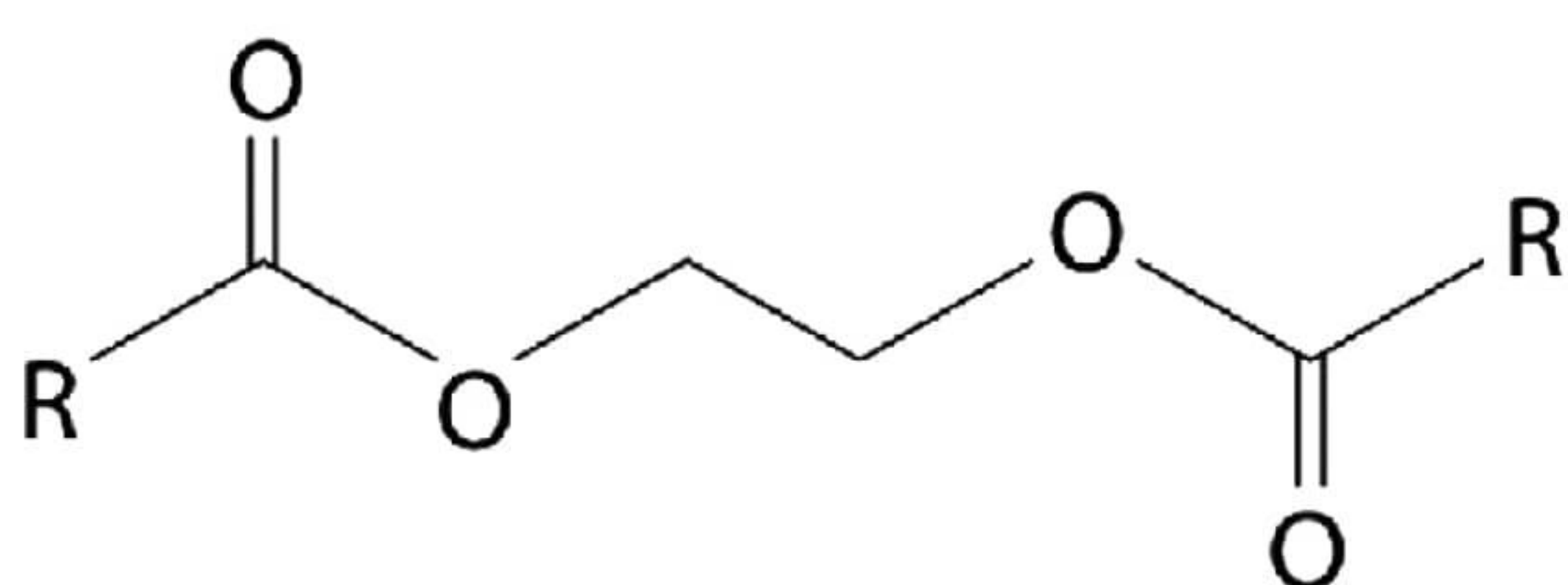


ARIA SHIMI RAYKA CO.

Ariasoft

Chemical Name :

Ethylene Glycol Monostearate



Introduction »

Ariasoft contains 75% ethylene glycol mono stearate and 25% ethylene glycol distearate.

Property »

Ariasoft is a pearling and thickening agent and can be used in various detergent formulations.

Application »

Pearlising agents / pearl hand Wash liquids / Creams & Lotions / Pearl Shampoos

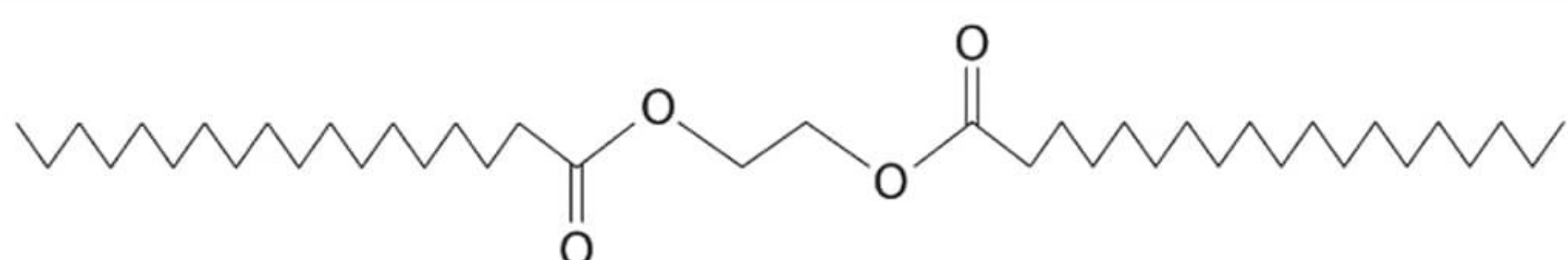
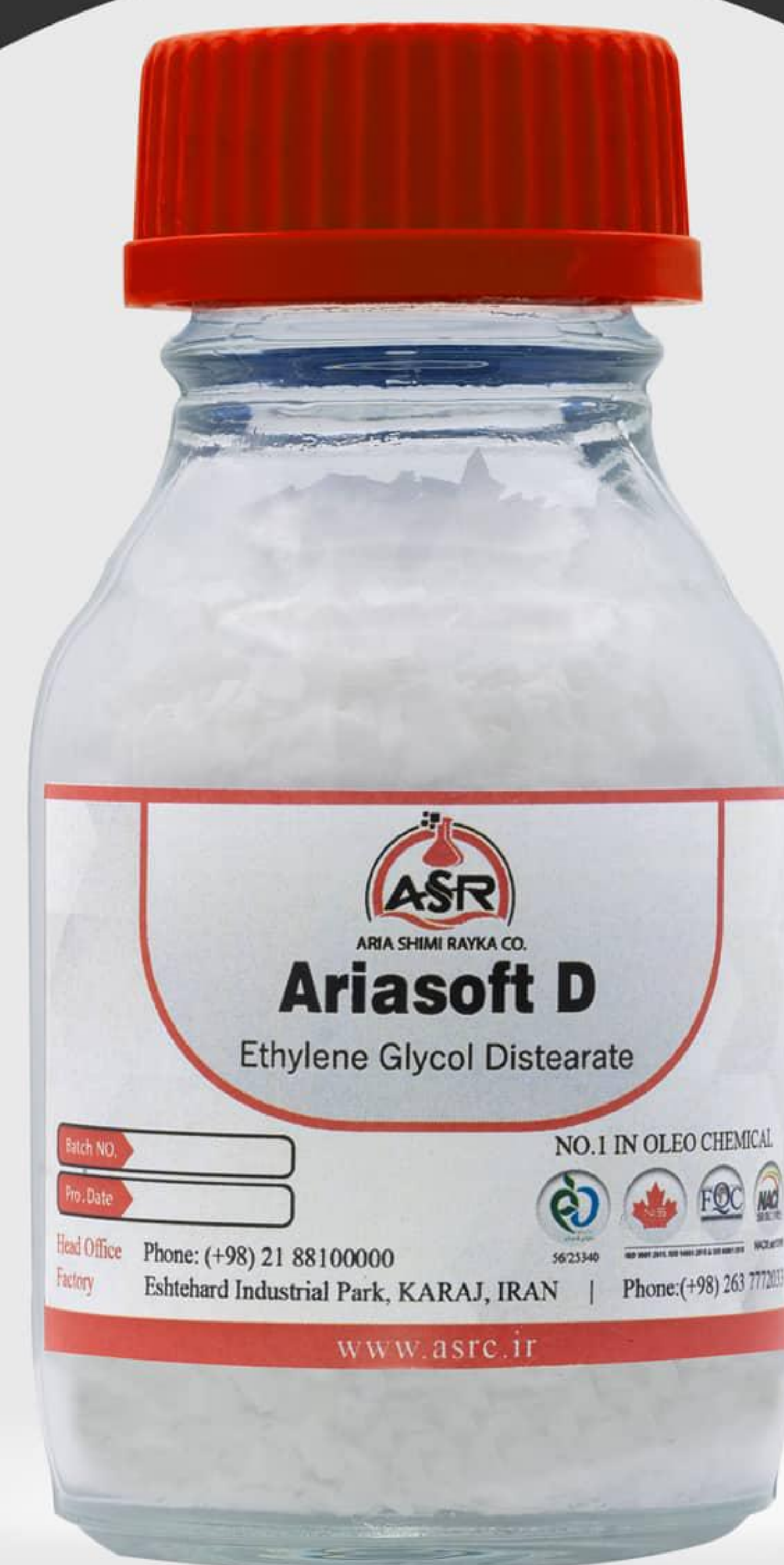
Parameter	Limits	Unit
Appearance	White Flakes	-
Acid Value	Max 5	mg KOH/g
Saponification Value	170-195	mg KOH/g
Iodine Value	Max 0.5	g I ₂ /100 gr sample
Melting Point	54-61	°C
Mono Ester	Min 25	%
Moisture	Max 0.5	%
Pb	Max 20	ppm
Fe	Max 20	ppm



ARIA SHIMI RAYKA CO.

Ariasoft D

Chemical Name :
Ethylene Glycol Distearate



Introduction »

Aria Soft D is a pearling agent and viscosifier and can be used in various detergent formulations.

Property »

This product has more pearling property compared to the ethylene glycol mono stearate product.

Application »

Pearlising agents/ pearly handwash liquids / creams & lotions

Parameter	Limits	Unit
Appearance	White Flakes	-
Acid Value	Max 5	mg KOH/g
Saponification Value	180-205	mg KOH/g
Iodine Value	Max 2	g I ₂ /100 gr sample
Melting Point	60-65	°C
Moisture	Max 0.5	%



ARIA SHIMI RAYKA CO.

Ariasoft G

Chemical Name :

Glycerol Monostearate 40



Introduction »

Ariasoft G is an organic agent which is generally used as an Emulsifier.

Property »

This product is a white odorless substance which tastes sweet and comes in powder form. It has the ability to absorb and retain moisture in it.

Application »

This product is used as Amoxyfire in hygienic and cosmetic industries as well as food additives , plastic industries , farming and ...

Parameter	Limits	Unit
Appearance(25°C)	White Flake	-
Iodine Value	Max 3	g I ₂ /100 gr sample
Melting Point	50-60	°C
Saponification Value	155-165	mg KOH/g
Free Glycerin	Max 5	%
GMS Content	39-42	%
Moisture Content	Max 1	%
Acid Value	Max 10	mg KOH/g



ARIA SHIMI RAYKA CO.

Ariaquat

Chemical Name :

Dialkylester Ammonium
Methosulfate (Esterquat)



Introduction »

Ariaquat contains at least 0.98 meq cationic active agent.

Property »

Ariaquat is a cationic surfactant used as a fabric softening agent for softening the towels and clothes. The main properties of this product are good softening, anti-static, re-moisturizing and easier ironing. This compound can be used in a variety of softeners with a wide range of concentrations (3% - 20%) to provide excellent stability and performance.

Application »

Fabric softener

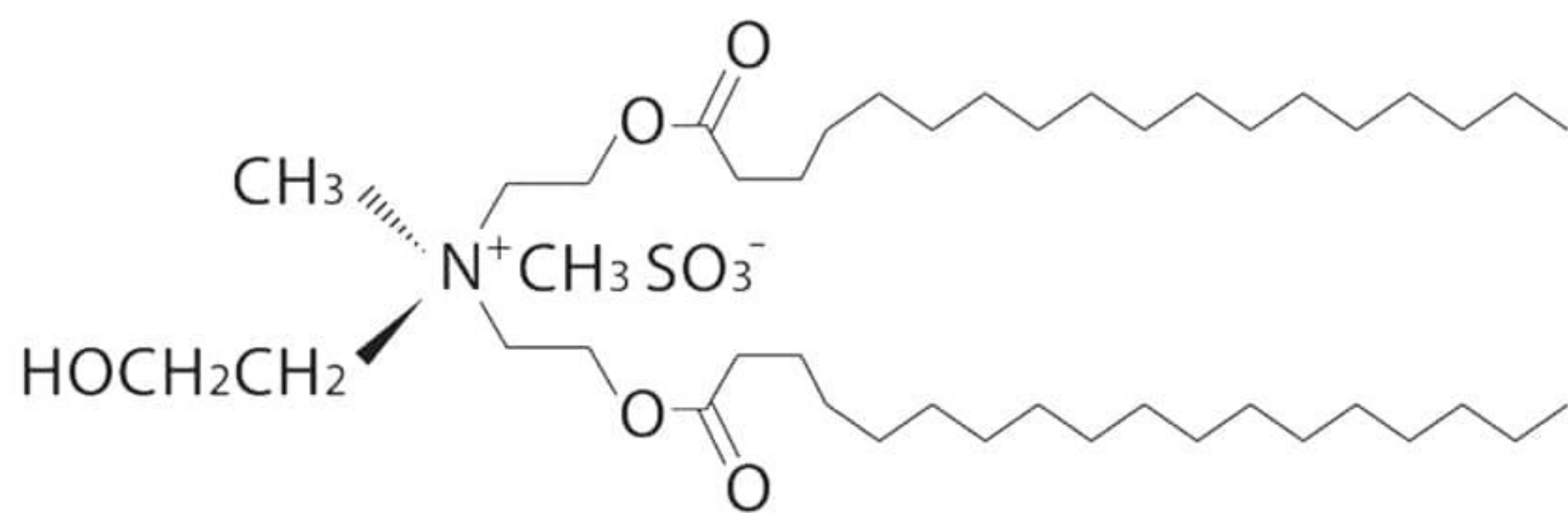
Parameter	Limits	Unit
Appearance(25°C)	Yellow Paste	-
Active Matter	0.98-1.15	meq/g
pH5% in Water/IPA	2.0-4.0	%
Dry Matter	89-91	%



ARIA SHIMI RAYKA CO.

Ariaquat L

Chemical Name :
Dialkylester Ammonium
Methosulfate (Liquid Esterquat)



Introduction »

Ariaquat L contains at least 0.98 meq cationic active agent.

Property »

Cationic surfactant as an antistatic and clothing softener .

Application »

In the formulation of clothing softeners for household detergents and the textile industry.

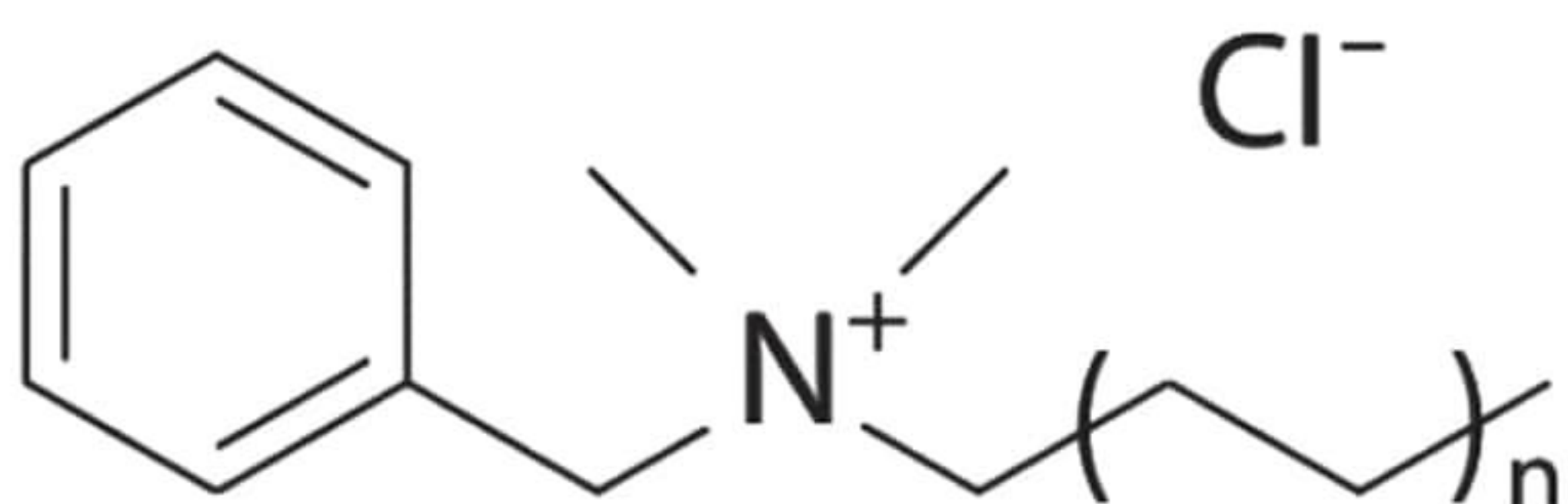
Parameter	Limits	Unit
Appearance (25°C)	Yellow Liquid	-
Active Matter	0.98-1.15	meq/g
pH 5% in water/IPA	2.0-4.0	%
Dry Matter	89-91	%



ARIA SHIMI RAYKA CO.

Aria BKC

Chemical Name :
Benzalkonium Chloride



Introduction »

Cationic surfactant with 50% or 80 % active agent

Property »

Biocide Preservative, Cationic Surfactant.

Application »

Production of disinfectants and fungicides / Detergents and cleaners / Oil and gas industries / Leather industry / Textile / Paper / Paints and resins / Wastewater treatment / Livestock and poultry industry and Hospital disinfectants

SPECIFICATION

50% LIMIT

80%

Appearance 25 °C

Clear liquid

Cationic Active%

48-52

78-80

pH 5%

6-8

6-8

Dry matter (105 °C)

48-52

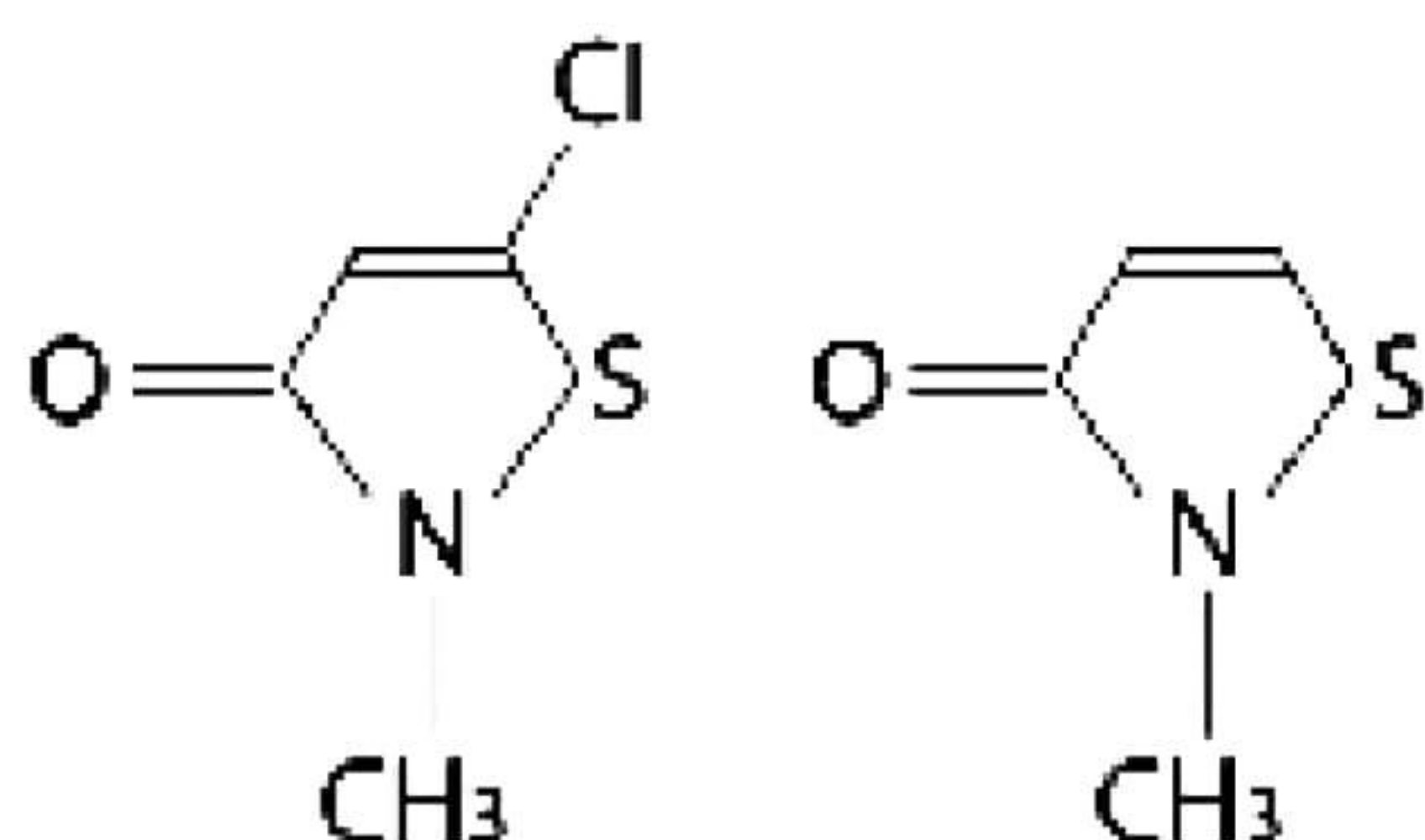
80-82



ARIA SHIMI RAYKA CO.

Arialinone

Chemical Name :
Isothiazolinone



Introduction »

Isothiazoline compounds are used as a preservative (antimicrobial).

Property »

These compounds prevent the growth of bacteria, fungi and yeast in water-based crops. This preservative works best in a wide range of PH and active free of formaldehyde compounds.

Application »

Detergents / Dishwashing liquids / Cleaning solutions / Head and body shampoos / Hair conditioners / Conditioners / Polymer emulsions / Latex / Polyvinyl alcohol / Butadiene rubbers / Paper / Adhesives / Building Materials / Disinfectants for Medical Supplies / Air Conditioners / Printer Inks.

Parameter	Limits	Unit
Appearance	Colorless to pale yellow Liquid	-
RF(20°C)	1.3730-1.3810	-
Density (20°C)	1.170-1.230	g/ml
Density (25°C)	1.166-1.266	g/ml
pH(100%)	1.50-3.0	%
MIT	0.35-0.45	%
CIT	1.08-1.2	%
Water Content	73.000-77.000	%
Mg - Nitrate	21.0-25.0	%

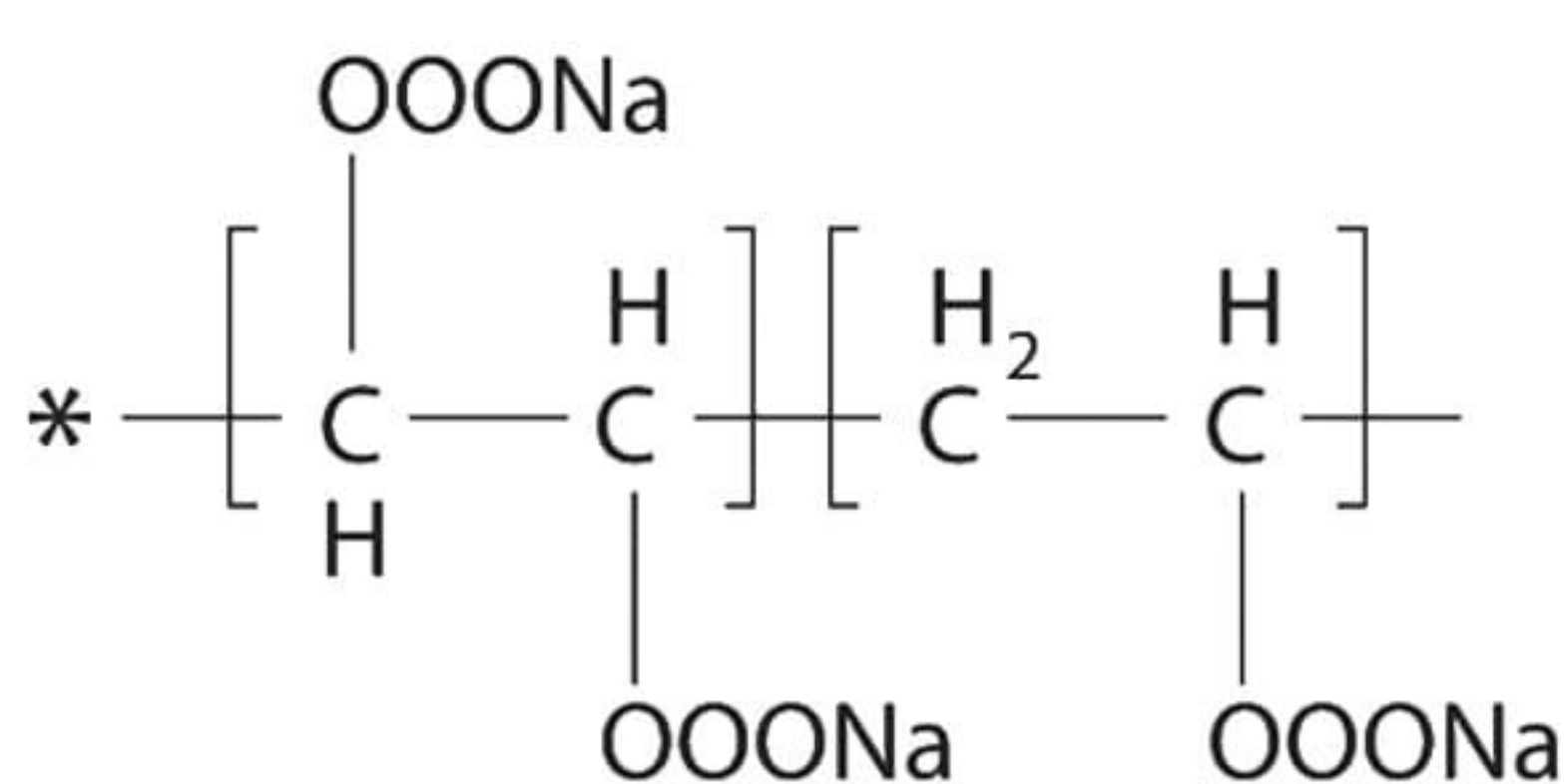


ARIA SHIMI RAYKA CO.

Ariapol

Chemical Name :

Maleic Acrylic Copolymer



Introduction »

It contains maleic acrylic copolymer active ingredient.

Property »

Aria copolymer to prevent fabric stain reversibility, help absorb water hardness ions, prevent deposition of water hardness ions on fabric fibers, excellent dispersant (helps control insoluble salt deposition on fabric, washing machine and hard surfaces resulting in Reduce maintenance costs.)

Application »

Used in low phosphate or phosphate-free formulas in laundry industrial and industrial dishwashers to control the formation of insoluble materials and to preserve the whiteness of the fabric. It is a good choice for a water softener based on any type of hydrated silicate

Parameter	Limits	Unit
Appearance	Light Yellow Viscose Liquid	-
CDC	Min 280	mg
Dry Matter (150°C)	41-44	%
Moisture	56-59	%
pH 10%	7.5-9	%
Viscosity (23°C)	1500-3000	cP



ARIA SHIMI RAYKA CO.

Ariamix

Chemical Name :

Mixture of Cationic and Non-ionic Surfactants



Introduction »

ARIAMIX is the best and most suitable mixture of cationic and non-ionic surfactants.

Property »

This compound has high scouring, cleansing and permeability properties.

Application »

This product is very useful in both acidic and alkaline cleansers formulations. Multifunctional Cleaners / Carpet Cleaner Solutions / Industrial Cleaners.

Parameter	Limits	Unit
Appearance	Amber Liquid	-
pH 1%	6-8	%
Solubility	Soluble in water	-
Density	1.00-1.05	g/ml



ARIA SHIMI RAYKA CO.

Superamide

Chemical Name :

Mixture of Non-ionic and Amphoteric Surfactants



Introduction »

Superamid contains at least 47% active agent.

Property »

Viscosifier, foam stabilizer, Hair Conditioner.

Application »

Hair Shampoos / hair conditioners / handwash liquids / Body Shampoos
Dishwasher detergents / Washing machine detergents

Parameter	Limits	Unit
Appearance	Yellow Paste	-
Dry Matter	47-49	%
pH 10%	7-8	%
NaCl	4.5-5.5	%

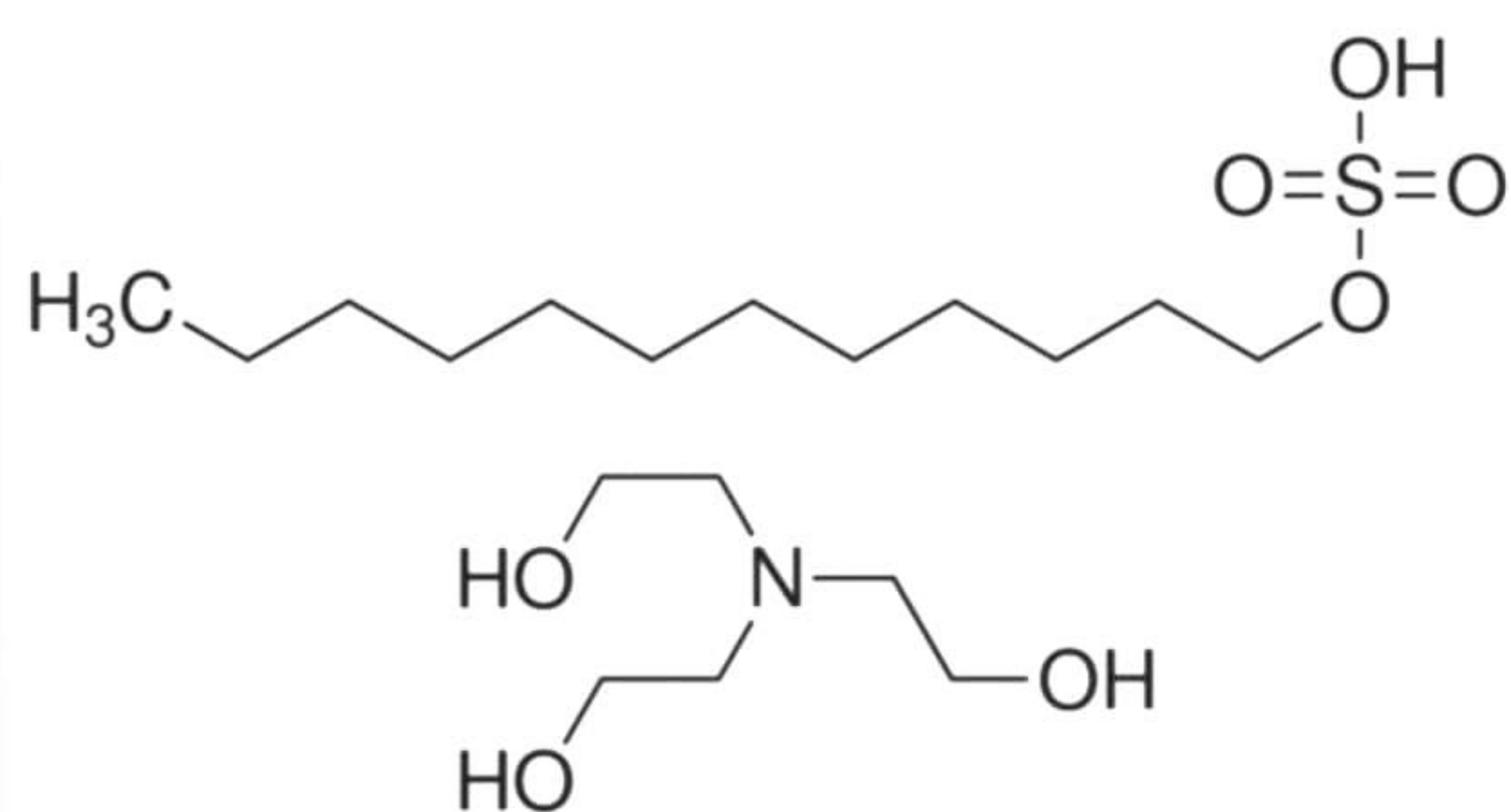


ARIA SHIMI RAYKA CO.

Aria Amine

Chemical Name :

Tri ethanolamine lauryl ether sulfate 30%



Introduction »

Aria Amine contains at least 29 % of anionic active substance.

Property »

Mild anionic surfactant with low sensitivity and high foam volume

Application »

Hair Shampoo / Baby Shampoo / Bath Fluid / Body Shampoo / Dishwashing Liquid

Parameter	Limits	Unit
Appearance	Colorless Transparent Liquid	-
Anionic Active	29-31	%
Density	1.01-1.05	g/ml
pH 10%	6-7	%



ARIA SHIMI RAYKA CO.

Biodiesel

Chemical Name :

Fatty Acid Methyl Ester



Introduction »

Biodiesel is a fuel substitute for diesel.

Property »

Biodiesel is made from renewable raw materials such as edible, non-edible vegetable oils, waste oils from restaurants and animal fats from livestock and poultry, and has the advantage of a more complete combustion, higher ignition (reduced transport hazards) ratio. It is diesel and also has lubricating properties that reduce the erosion of parts.

Application »

Bio diesel works just like petroleum diesel, which can be used in any diesel device with diesel fuel (diesel generator, compressor, diesel loading machines, etc).

Parameter	Limits	Unit
Density at 20°C	0.87-0.89	Kg/L
Lower Heating Value	37.1-38.1	MJ/Kg
Viscosity at 20°C	7.4-7.6	mm ² /s
Cetane Number	54-56	-
Flash Point	145-165	°C



ARIA SHIMI RAYKA CO.

Aria Soap B

Chemical Name :
Bathing Soap Noodle



Introduction »

It is a sodium salt of fatty acids that is widely used in the detergent industry.

Property »

Soap that looks like chips for easier use.

Application »

Mostly used in bath soaps.

Parameter	Limits	Unit
Color	White	-
Total Fatty Matter	Min 76	%
Moisture	12-15	%
Sodium Chloride	Max 0.7	%
Glycerin	Max 1.5	%
Titre(°C)	Min 36.5	°C
Free NaOH	Max 0.05	%
Lauric Acid	Min 20	%



ARIA SHIMI RAYKA CO.

AriaSoap L

Chemical Name :
Laundry Soap Noodle



Introduction »

It is a sodium salt of fatty acids that is widely used in the detergent industry.

Property »

Soap that looks like chips (broken noodles) to use more easily.

Application »

Mostly used in laundry soaps and clothes washing detergents.

Parameter	Limits	Unit
Color	White	-
Total Fatty Matter	Min 68	%
Moisture	10-11	%
Sodium Chloride	Max 1	%
Glycerin	Max 1.5	%
Titre(°C)	Min 34	°C
Free NaOH	Max 0.15	%



ARIA SHIMI RAYKA CO.

AriaSoap W

Chemical Name :
Hand Washing Soap Noodle



Introduction »

It is a sodium salt of fatty acids that is widely used in the detergent industry.

Property »

Soap that looks like chips (broken noodles) to use more easily.

Application »

Mostly used in hand washing soaps.

Parameter	Limits	Unit
Color	White	-
Total Fatty Matter	Min 78	%
Moisture	9.5-15	%
Sodium Chloride	Max 1.2	%
Glycerin	Max 1.5	%



ARIA SHIMI RAYKA CO.

AriaSoap S

Chemical Name :
Potassium Oleate



Introduction »

Aria soap S contains Potassium Oleate as active agent. This product is available in 3 types based on the type of application.

Property »

Anionic surfactants. Emulsifier, dispersant.

Application »

Industrial detergents, Styrene Boota DN Rubber industry, Latex industry.

Specification	Limits	Unit
Appearance 25 °C	Yellow paste	
percentage of active agent	Variable base on type of usage from 40% to 85%	%
pH of 1 % solution	9-11	%



ARIA SHIMI RAYKA CO.

Ariagreen

Chemical Name :

Raisin Oil



Introduction »

This product is one of the ingredients for preparing acid to dry fruits.

Property »

Raisin oil accelerates the process of moisture loss in grapes and other fruits and dries quickly.

Application »

Form an emulsion solution with potassium carbonate and water that accelerate the drying process of grapes, apples, peaches and plums.

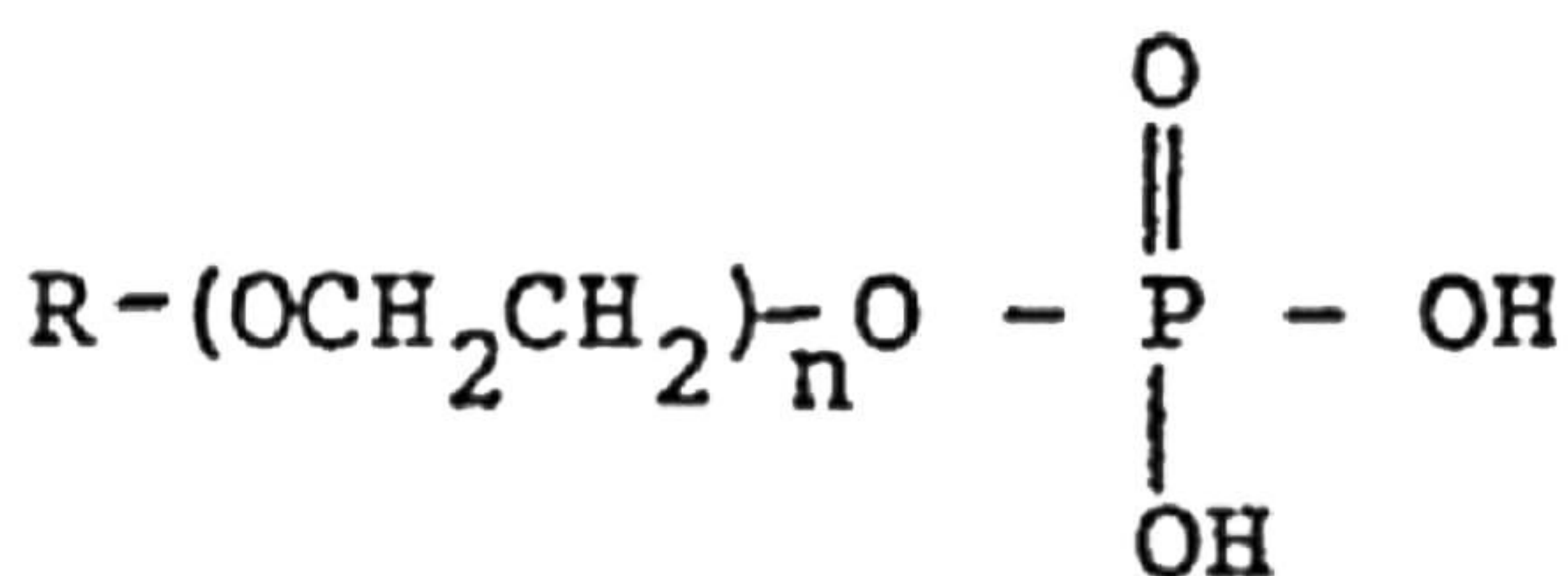
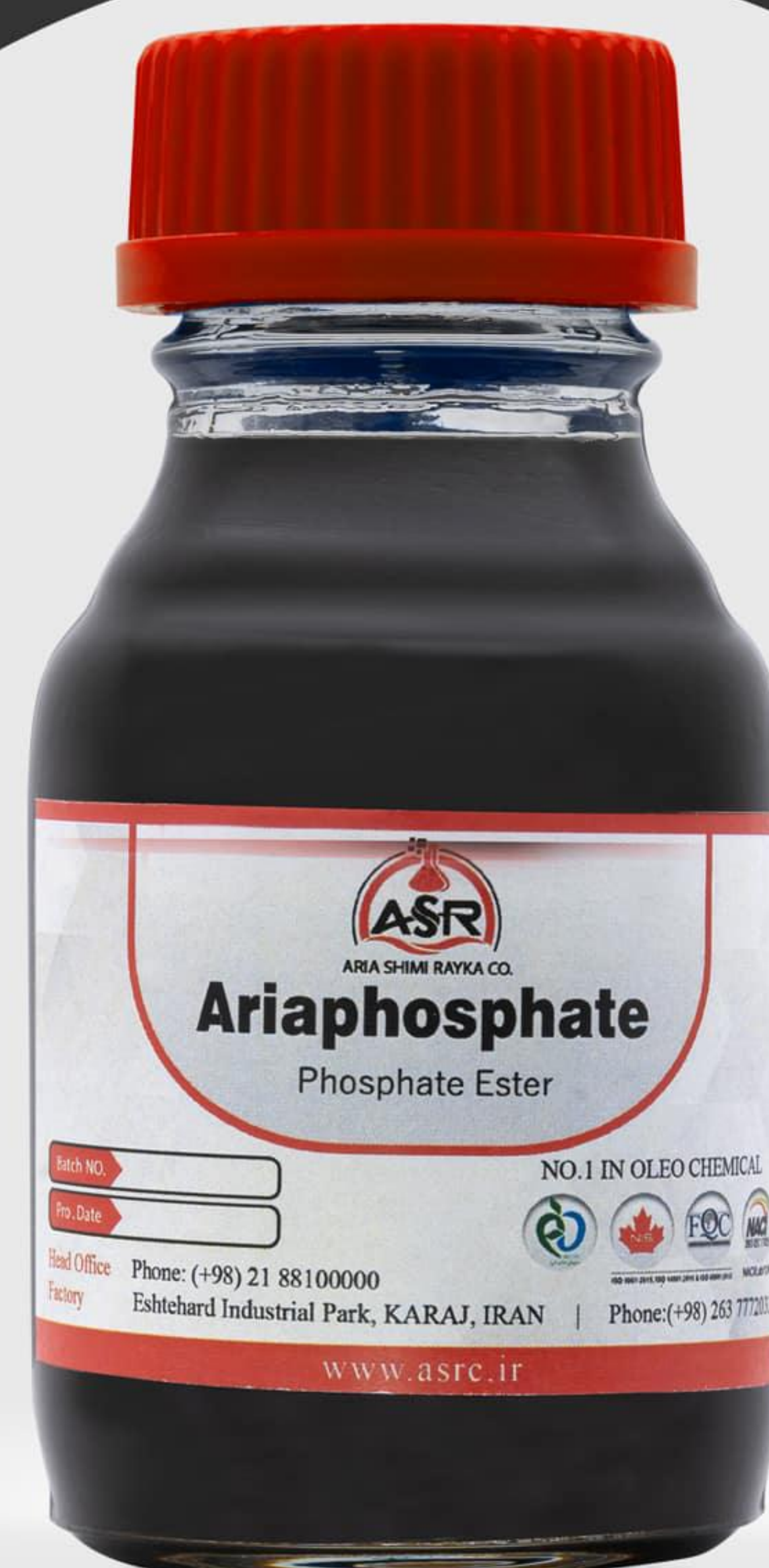
Parameter	Limits	Unit
Appearance	Clear Liquid	-
Refractive Index	1.440-1.455	-
Moisture	Max 10	%
Iodine Value	75-100	g I ₂ /100 gr sample
Free Fatty Acid	Max 10	%
Peroxide Value	Max 2	meq O ₂ /Kg



ARIA SHIMI RAYKA CO.

Ariaphosphate

Chemical Name :
Phosphate Ester



Introduction »

Phosphate ester is the product of an anionic surfactant.

Property »

Phosphate esters have corrosion inhibitory properties, both as an acid and as a metal / amine salt. Phosphate triethanol amine salts have optimal protection against corrosion in water and oil-based systems. Phosphate esters have beneficial properties that make them useful as anti-wear and anti-corrosion additives in cutting and grinding liquids. Phosphate esters are also used in water-based hydraulic fluids as lubricants to reduce pump wear and corrosion control. They are also used in the manufacture of greases, painting compounds, lubricants and gear oils.

Application »

As a dispersant / solvent / emulsifier / anti-corrosion agent for metals / liquid detergents (washing liquids)

Parameter	Limits	Unit
Appearance (at 25°C)	Clear Amber Liquid	-
Acid Value	140-160	mg KOH/g
Moisture	Max 1.0	%
pH of 1% Solution	2-3	%
Density	1.00-1.06	g/mL



ARIA SHIMI RAYKA CO.

Aria Foam

Chemical Name :
Concrete & Drilling Foam



This product is a combination of anionic surfactants and other additives that have various applications in the concrete and drilling industry.

Property »

A mixture of surfactants, with excellent foam for concrete and drilling industrial.

Application »

As a foaming agent.

Parameter	Limits	Unit
Appearance (at 25°C)	Clear Liquid	-
Anionic Active	10-18	%
pH of 10% Solution	6-8	%

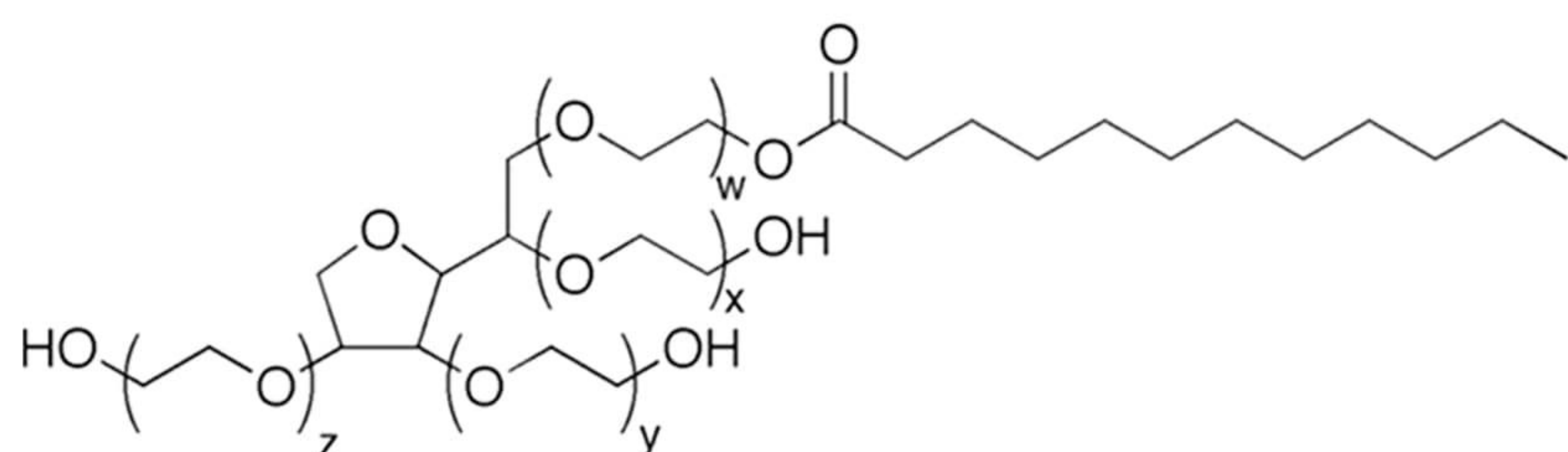


ARIA SHIMI RAYKA CO.

Ariasorbate 20

Chemical Name :

Polyoxy Ethylene 20 Sorbitan Monolaurate



Introduction »

Aria Sorbate 20 contains 100 % active substance.

Property »

It's a nonionic emulsifier surfactant which its stability and relative nontoxicity allows it to be used as a solvent in a number of cosmetic and beauty products.

Application »

Aria Sorbate 20 can be used in Food and beverages , Pharmaceutical applications , cosmetic and personal care products , agriculture and Livestock and poultry feeding . Aria Sorbate 20 is a surfactant which is used as an emulsifier and moisturizer (wetting agent). In food industry this substance is used in a various range of products like in salad dressings and different types of sauces, flavores,

Parameter	Limits	Unit
Identification		
A	Comply with USP	-
B		
Assay	Comply with USP	-
Residue on Ignition	Max 0.25	%
Limit of Ethylene Oxide & Dioxane		
Ethylene Oxide	< 1	ppm
Dioxane	< 10	
Acid Value	Max 2	mg KOH/g
Hydroxyl Value	96-108	mg KOH/g
Peroxide Value	Max 10	meq O ₂ /Kg
Water Determination	Max 3	%
Saponification Value	40-50	mg KOH/g



ARIA SHIMI RAYKA CO.

Ariasorbate 60

Chemical Name :

Polyoxy Ethylene 20 Sorbitan Monostarate



Introduction »

Aria Sorbate 60 contains 100 % active agent.

Property »

Aria Sorbate 60 is a surfactant which can be applied as an emulsifier, solver, and stabilizer in food and nutritional products as well as in cosmetic and beauty products.

Application »

Aria Sorbate 20 helps water and oil based compounds to blend easily and prevents them from getting separated in food. Aria Sorbate 20 is mostly used in foods categorized as Polysorbates.

Parameter	Limits	Unit
Identification		
A	Comply with USP	-
B		
Assay	Comply with USP	-
Residue on Ignition	Max 0.25	%
Limit of Ethylene Oxide & Dioxane		
Ethylene Oxide	< 1	ppm
Dioxane	< 10	
Acid Value	Max 2	mg KOH/g
Hydroxyl Value	81-96	mg KOH/g
Peroxide Value	Max 10.0	meq O ₂ /Kg
Water Determination	Max 3.0	%
Saponification Value	45-55	mg KOH/g

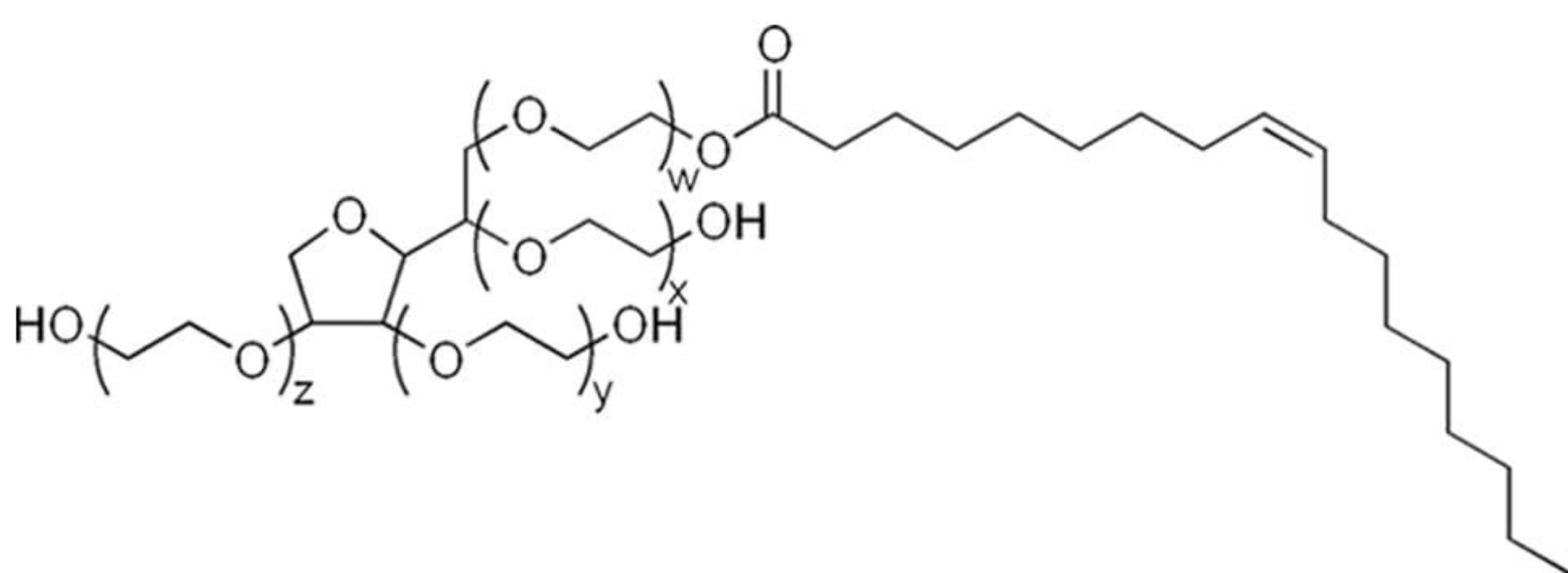


ARIA SHIMI RAYKA CO.

Ariasorbate 80

Chemical Name :

Polyoxy Ethylene 20 Sorbitan Monooleate



Introduction »

Aria Sorbate 80 contains 100 % active agent.

Property »

Aria Sorbate 80 can be used as an auxiliary and supplementary substance in the stabilization of suspensions and emulsions.

Application »

Food : Ariasorbate 80 is used as an emulsifier in foods. For example, in ice cream, makes the ice cream smoother and easier to handle, as well as increasing its resistance to melting. Adding this substance prevents milk proteins from completely coating the fat droplets. And also in food items like salad dressings and different types of sauces, cakes and cake batter, edible oils, dairy substitute and Chocolate syrup.

Medical : Ariasorbate 80 is a surfactant and is used as a supporting substance and for stabilization of suspensions in a variety of oral and topical pharmaceutical products.

Health and beauty (personal care): Ariasorbate 80 is a series of nonionic Hydrophilic surfactants (used in soaps and cosmetics including eyedrops), or a solubilizer, such as in a mouthwash. Polysorbate 80 is also used in many various cosmetic products such as in skin care products, skin conditioners and fresheners, beauty products, shampoos and deodorant powders. Polysorbate compounds help solubilize ingredients that are not normally dissolved in it and it also helps in the formation of emulsion by reducing the surface of the materials that must be emulsified.

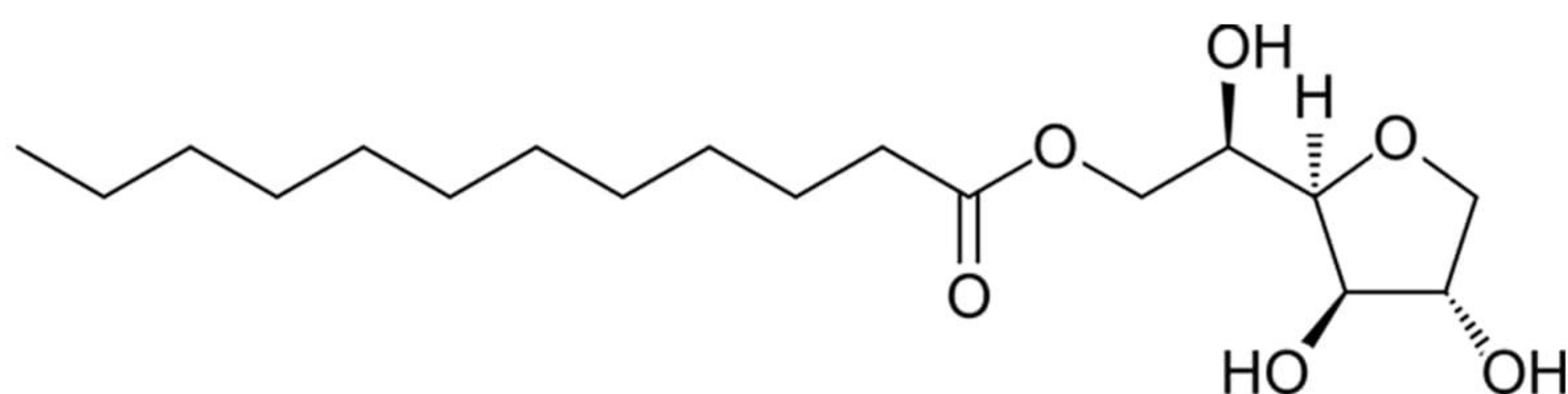
Parameter	Limits	Unit
Identification		
A	Comply with USP	-
B		
Assay	Comply with USP	-
Residue on Ignition	Max 0.25	%
Limit of Ethylene Oxide & Dioxane		
Ethylene Oxide	< 1	ppm
Dioxane	< 10	
Specific Gravity	1.06-1.09	-
Viscosity at 25	300-500	c St
Acid Value	Max 2	mg KOH/g
Hydroxyl Value	65-80	mg KOH/g
Peroxide Value	Max 10.0	meq O ₂ /Kg
Water Determination	Max 3.0	%
Saponification Value	45-55	mg KOH/g



ARIA SHIMI RAYKA CO.

Ariaspan 20

Chemical Name :
Sorbitan Monolaurate



Introduction »

Aria Span 20 contains 100 % active agent.

Property »

Aria Span 20 , as an emulsifier usually alongwith other Poly Sorbats, is used to maintain emulsions of water-oil mixtures in many food products.

Application »

Beauty products formulation : As an emulsifier and emollient for skin care products
In household products : As an emulsifier in liquid polishes, waxes and cleaning products
Chemicals used in textiles : As a lubricant and emulsifier in the final process of textile products
Coatings and paints : As an emulsifier for coatings containing solvent and without solvent
Plastic : As a polymerization emulsifier for thermoplastic resins, it is effective as an antistatic cause in the PVC process.

Parameter	Limits	Unit
Identification		
A.	Comply with USP	-
B.		
Assay	Comply with USP	-
Residue on Ignition	Max 0.5	%
Acid Value	Max 8	mg KOH/g
Hydroxyl Value	330-358	mg KOH/g
Water Determination	Max 1.5	%
Saponification Value	158-170	mg KOH/g

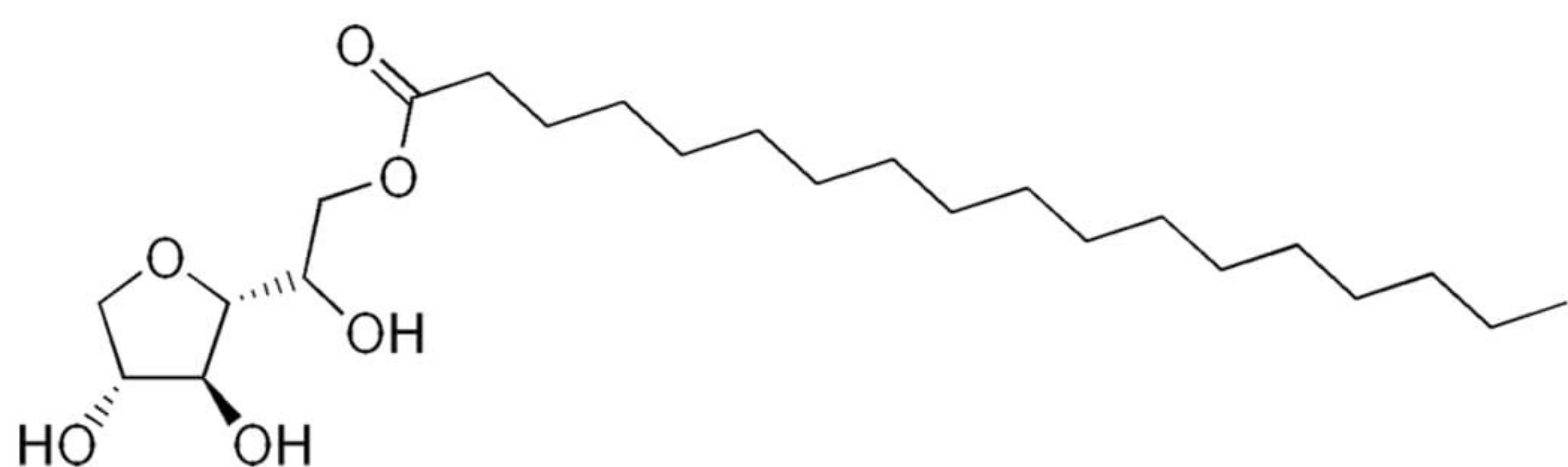


ARIA SHIMI RAYKA CO.

Ariaspan 60

Chemical Name :

Sorbitan Monostearate



Introduction »

Aria Span 60 contains 100 % active agent

Property »

Aria Span 60 , as an emulsifier usually alongwith Poly Sorbats, is used to maintain emulsions of water-oil mixtures in many food products.

Application »

It is usually used in instant dry yeast, fat and oil emulsions, desserts, food supplements, cakes, margarine , coffee whiteners, etc.

The following are its main uses and functions in food :

Dry Yeast: Retains moisture, extends the shelf life (durability) of dry yeast, and helps rehydrate yeast cells before mixing with other dough ingredients. In ice cream: it enhances the emulsification of dairy fat and prevents the formation of ice crystals. In margarine : Improves the stability of emulsion. In whipped cream: improves the volume of the foam and contributes to a good and firm foam. In bread and cake: increasing the volume of bread and improving the texture of bread and cake. In confectionery and chocolate: stabilizes the emulsion of oils and fats.

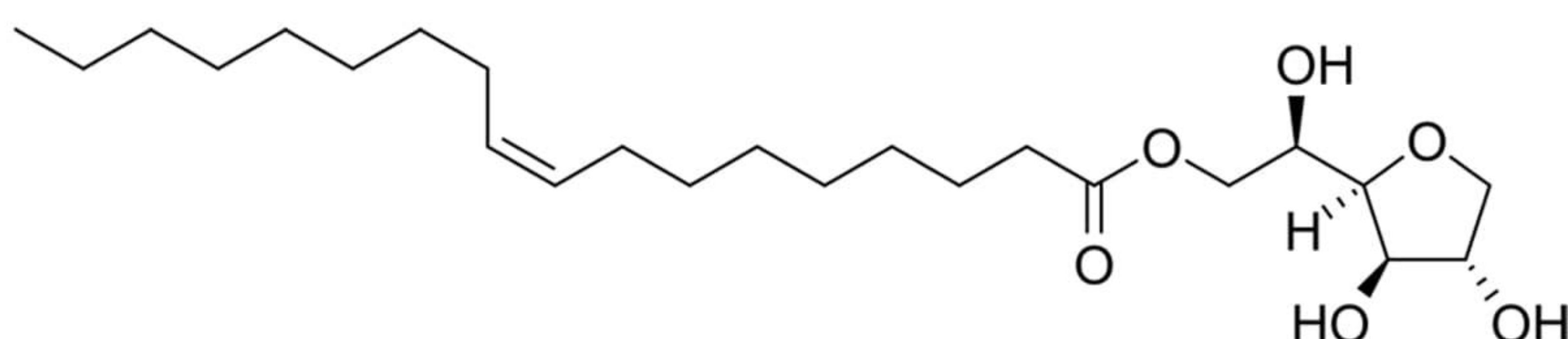
Parameter	Limits	Unit
Identification		
A.	Comply with USP	-
B.		
Assay	Comply with USP	-
Residue on Ignition	Max 0.5	%
Acid Value	Max 10	mg KOH/g
Hydroxyl Value	235-260	mg KOH/g
Water Determination	Max 1.5	%
Saponification Value	147-157	mg KOH/g



ARIA SHIMI RAYKA CO.

Ariaspan 80

Chemical Name :
Sorbitan Monooleatae



Introduction »

Aria Span 80 contains 100 % active agent.

Property »

It's a surfactant with low HLB which is used in the formulation of beauty products , Oil (petroleum), plastic, household products as well as in coatings and textiles. It's a liquid Ester Surbitan which functions as a nonionic low HLB emulsifier . This product has a wide range of variou functions including explosive materials.

Application »

As an emulsifier , a stabilizer and thickener in foods, cosmetics and pharmaceutical products. In the textile industry as a fiber softener and lubricant, and also is a medical aid surfactant. Sorbitan Oleate is a mild emulsifier.

Parameter	Limits	Unit
Identification		
A.	Comply with USP	-
B.		
Assay	Comply with USP	-
Residue on Ignition	Max 0.5	%
Acid Value	Max 8	mg KOH/g
Hydroxyl Value	190-215	mg KOH/g
Water Determination	Max 1	%
Saponification Value	145-160	mg KOH/g
Iodine Value	62-76	g I ₂ /100 gr sample



ARIA SHIMI RAYKA CO.

Texapon

Chemical Name :
Sodium Lauryl Ether Sulphate



Introduction »

SLES is an aqueous concentrated sodium lauryl ether sulfate derived from fatty alcohols, ethoxylated to an average of two moles, and sulfated via continuous SO₃ process. It contains at least 68% of active agent

Property »

Texapon (Sodium Lauryl Ether Sulphate) is an anionic surfactant with excellent wettability, solubility, foaming and emulsifying properties. It is a primary acceptable surfactant that can help to rinse off the products. It helps to lower the surface tension between the ingredients of the product, and due to this unique property, it makes a perfect foaming and cleansing agent. It commonly used in personal care and household cleaning products. SLES has great applications in beauty products, self-care, and consumer household cleaning products.

Application »

Hand-washing and laundry detergents/ Mechanized tunnelling / Dental care products such as mouthwash, toothpaste, and tooth whitening products/ Grooming products such as makeup remover, lip balms, foundation, concealer, facial cleansers, shaving creams, facial gel, liquid hand soap, and exfoliants/ carpet cleaners and cleansers, hair gels, hair setting sprays, and conditioners, shampoos.

Parameter	Limits	Unit
Appearance	Colorless or light yellow Liquid	-
Active Matter	68-72	%
Dioxane	Max 50	ppm
Color (10%(w/v)-cell 100 mm)	Max 30	Hazen
Sodium sulfate	Max 1.5	%
pH (5%(w/v)	7-9	%
NaCl	Max 0.5	%
Unsulfated Fatty Alcohol	Max 2.5	%
Fe(ppm)	Max 20	ppm
Heavy metals (ppm)	Max 20	ppm
Cloud Point	<0°C	°C
Oxidizing agent	0	ppm

