



# TECHNICAL DATA SHEET (TDS)

## COCAMIDOPROPYL BETAINE (CAPB 30%)

### PRODUCT INFORMATION

Property	Description
Product Name	Cocamidopropyl Betaine (CAPB 30%)
Chemical Name	Cocamidopropyl Betaine
INCI Name	Cocamidopropyl Betaine
CAS No.	61789-40-0
EC No.	263-058-8
Molecular Formula	C <sub>19</sub> H <sub>33</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight	Approx. 342.5 g/mol
Chemical Type	Amphoteric Surfactant
Origin	Turkey
Appearance	Clear Light Yellow Liquid

### TYPICAL SPECIFICATIONS

Test Parameter	Test Method	Specification	Result
Appearance	Visual Inspection	Clear Light Yellow Liquid	Pass
Active Matter (%)	ASTM D3049	29.0 – 31.0	<b>30.2</b>
pH (10% Solution, 25°C)	ASTM E70	4.5 – 6.5	<b>5.4</b>
Sodium Chloride (%)	ASTM D4458	Max. 6.0	<b>4.8</b>
Free Amidoamine (%)	Internal Method	Max. 0.50	<b>0.18</b>
Free Fatty Acid (%)	Internal Method	Max. 0.50	<b>0.21</b>
Color (APHA/Hazen)	ASTM D1209	Max. 100	<b>42</b>
Density @25°C (g/cm <sup>3</sup> )	ASTM D4052	1.03 – 1.07	<b>1.05</b>
Viscosity @25°C (Brookfield, mPa·s)	ASTM D2196	1,500 – 4,000	<b>2,450</b>
Solids Content (%)	Gravimetric	34.0 – 38.0	<b>35.8</b>
Water Content (%)	ASTM E203	Balance	Conforms
Odor	Organoleptic	Characteristic	Conforms



## PRODUCT CHARACTERISTICS

Property	Value
Ionic Character	Amphoteric
Solubility	Completely Soluble in Water
Foam Performance	Excellent
Foam Stability	Excellent
Hard Water Resistance	Excellent
Compatibility	Compatible with Anionic, Cationic & Nonionic Surfactants
Biodegradability	Readily Biodegradable
Toxicity	Low
Skin Mildness	Excellent

## APPLICATIONS

Cocamidopropyl Betaine is widely used in:

- Shampoo
- Baby Shampoo
- Shower Gel
- Hand Soap
- Facial Cleanser
- Liquid Soap
- Dishwashing Liquid
- Car Wash Shampoo
- Industrial Cleaning Products
- Household Cleaners
- Personal Care Formulations

## BENEFITS

- Excellent foaming performance
- Superior foam stabilization
- Enhances detergent efficiency
- Improves product viscosity
- Reduces irritation caused by anionic surfactants
- Excellent compatibility with SLES, LABSA and other surfactants
- Stable over a wide pH range



- Easy to formulate
- Suitable for premium personal care products

## PACKAGING

Packaging Type	Net Weight
HDPE Drum	220 kg
IBC Tank	1,000 kg
Flexitank	Bulk

## STORAGE

Store in the original sealed container in a cool, dry and well-ventilated area away from direct sunlight.

**Recommended Storage Temperature:** 5–35°C

Avoid freezing.

## SHELF LIFE

**24 Months** from the date of manufacture under recommended storage conditions.

## SAFETY INFORMATION

Please refer to the Material Safety Data Sheet (MSDS) before handling the product. Appropriate personal protective equipment (PPE) should be used during handling and processing.