

Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: greenindustry@163.com

Web: www.taiangreenindustry.com

TECHNICAL DATA SHEETS

1. Product name: Coconut oil acids-N,N-dimethyltrimethylenediamine condensate

2. Chemical Name:

Fatty acids, coco, reaction products with N1,N1-dimethyl-1,3-propanediamine

3. CAS No.: 61790-62-3

4. MF: C₁₇H₂₀N₄O₂

5. MW: 312.37

6. Technical specifications

Item	Specifications	Results
Appearance(25°C)	Light yellow liquid	Conforms
Total amine value(mg KOH/g)	160.0~172.0	164.3
Color(25% ethanol), APHA	≤100	20
Free fatty acid(%)	≤1.5	1.1
Water(%)	9.0~11.0	9.9
Conclusion	The results conforms with enterprise standards	

Item	Specifications	Results
Appearance(25°C)	White to light yellow powder	Conforms
Total amine value(mg KOH/g)	178.0~188.0	183.3
Color(25% ethanol), APHA	≤200	40
Free fatty acid(%)	≤1.5	0.8
Conclusion	The results conforms with enterprise standards	

7. Usage

Coconut oil acids-N,N-dimethyltrimethylenediamine condensate can be used in the preparation of foaming agents, thickeners, ore enrichment agents and quaternary ammonium salts; it can also be used in plastic injection molding, synthetic fibers, inks, oilfield brick wells, mineral flotation and pesticide emulsification industries. In the oilfield acid fracturing production, it is combined with brine solution and hydrochloric

Taian Green Industry Co., Ltd.

Tel: 86-156-6659-0861

E-mail: greenindustry@163.com

Web: www.taiangreenindustry.com

acid to form a new gelling acid system. The system will not cause any residue to stay on the surface of the acid etching cavity, avoiding secondary damage to the formation and being environmentally clean.

8. Package

200KG/drum