asiraw

COSMETIC & DERMO-COSMETIC INGREDIENTS

TECHNICAL DATA SHEET

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CONDITIONING POLYMER · CATIONIC GUAR

ASIRAW GUARPLEX146

INCI NAME	PACKING
Guar Hydroxypropyltrimonium Chloride	**25 kg / bag**

GENERAL INFORMATION

ASIRAW GUARPLEX146 is a water-soluble cationic guar with a high degree of substitution and very low irritation. In shampoos it improves wet and dry combing, enriches foam texture and promotes silicone deposition. In body wash it enhances the moisturised, silky after-feel, and in skin care it improves skin feel and helps stabilise low-viscosity emulsions. It forms a breathable protective film on hair and skin.

SPECIFICATION

PARAMETER	TYPICAL VALUE
Appearance	**Creamy white to yellow fine powder**
Moisture (%)	**≤ 10**
Ash (%)	**≤ 5.0**
pH (1.0 % solution)	**9.0 – 11.0**
Particle size (120 mesh, %)	**≥ 99**
Nitrogen (as N, %)	**1.4 – 1.7**
Viscosity (1 %, 25 °C, SP3, 20 rpm)	**3000 – 4500**
Total plate count (CFU/g)	**≤ 500**
Molds & yeasts (CFU/g)	**≤ 100**

** Typical values for guidance only — not to be used as product specification.*

FORMULATION GUIDANCE

Disperse in water, neutralise with acid to hydrate, then add the other ingredients to ensure uniform dispersion of the cationic guar.

KEY BENEFITS

- Improves wet and dry combability, anti-static
- Enhances foam texture and silicone deposition
- Silky, moisturised skin feel after bathing
- Can partially replace cationic surfactants to reduce irritation
- Viscosity adjustment, emulsion stabilisation, pearl suspension

APPLICATIONS

Shampoos · Body wash · Conditioners · Cleansers · Lotions & creams

DOSAGE

0.30 – 1.0 %	Hair care products
0.10 – 0.80 %	Leave-on products
0.10 – 0.50 %	Shampoos / shower
0.10 – 0.30 %	Cleansing products
0.05 – 0.20 %	Lotions & creams

STORAGE & HANDLING

Standard packing	25 kg / bag
Storage	Store in a cool, dry and well-ventilated place, away from direct light. Keep container tightly closed.

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