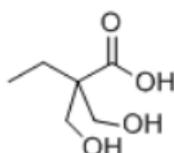


Technical Data Sheet

SUNTOMER DMBA

1. DESCRIPTION

- Chemical name : 2,2-Bis(hydroxymethyl)butyric acid
- CAS No. : 10097-02-6
- Chemical Structure :



2. PROPERTY

- Good cross-linking agent
- Good hydrophilic agent
- Good solubility

3. SPECIFICATIONS

Contents	Specification
Appearance	White crystal
DMBA content (%)	Min. 99.0%
Moisture (%)	≤0.3
Ash (%)	≤0.03
Melting point	108-115°C
Acid value (mgKoh/g)	371-382
Hydroxyl value	742-764
Cl ⁻ (ppm)	≤10
SO ₄ (ppm)	≤ 30
Fe ³⁺ (ppm)	≤5
Na ⁺ (ppm)	≤100
K ⁺ (ppm)	≤10
Ca ⁺ (ppm)	≤25

4. APPLICATIONS

DMBA is mainly used for the chain extender and internal emulsifier of waterborne polyurethane, for

multi-purpose performance additives (hydrophilic chain extender) of waterborne products such as waterborne epoxy resin, waterborne polyester, waterborne alcohol acid and waterborne adhesive, and for manufacturing the photosensitive resins, magnetic recording materials and liquid crystal raw materials. While manufacturing the resins by DMBA, it does not need using any organic solvent during the modification process. It is the new generation green environmental protection product.