2,2-Bis(hydroxymethyl)butyric acid

2,2-Bis(hydroxymethyl)butyric acid · RS-DMBA · CAS 10097-02-6 · Technical Data Sheet · RawSource · rawsource.com/product/2-2-bis-hydroxymethyl-butyric-acid-dmba/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
10097-02-6	RS-DMBA	Polyurethane raw material · synthesis intermediate

2,2-Bis(hydroxymethyl)butyric acid is a white crystal. It is used in synthetic water-based polymer systems.

DISTRIBUTED BY
RawSource Inc.
515 E Las Olas Blvd, Suite 1301, Fort Lauderdale, FL 33301
305-307-6515 · solutions@rawsource.com · rawsource.com
Product page: rawsource.com/product/2-2-bis-hydroxymethyl-butyric-acid-dmba/
Request a quote: solutions@rawsource.com · 305-307-6515
Quote by RS code: RS-DMBA

GENERAL INFORMATION

Chemical name	2,2-Bis(hydroxymethyl)butyric acid
Molecular formula	$C_6H_{12}O_4$
Molecular weight	148.16 g/mol

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	White Crystal	Conform
Assay	99 % min	99.50 %
Water Content	0.3 % max	0.09 %
Melting Point	108 – 117 °C	113.8 – 114.7 °C
Ash	0.03 % max	0.010 %
Residue Formaldehyde	0.03 % max	0.011 %
Acid Value	347.7 – 388.2 mg KOH/g	376.7 mg KOH/g
Hydroxyl Value	728 – 782 mg KOH/g	752 mg KOH/g
Fe3+	5 ppm max	2 ppm
Na+	150 ppm max	27 ppm
SO_4^{2-}	10 ppm max	2 ppm
Acetone-Et3N Soluble experiment	Transparent	Conform

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Synthetic water-based polymer systems
- Polyester
- Epoxy resin

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Keep the package tightly closed in a dry, well-ventilated place.

PACKAGING AND SHELF LIFE

- 25 kg bags
- bulk
- Shelf life: 12 months from production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.