



Colombia

Carrera 51 No. 13-66
Medellin, Colombia
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www.amtex.com.co

Technical Data Sheet

KEMSEL 23T

Specification 50003

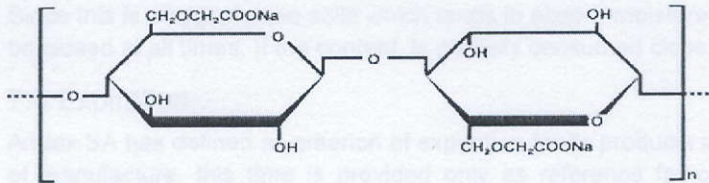
1.0 Physicochemical data

Chemical name: Sodium Carboxymethyl Cellulose (CMC)

Other names: CMC, Cellulose Gum, NaCMC

Water-Soluble Anionic Cellulose Ether.

Chemical Formula



2.0 General Features

Item	Accepted Levels	Method
Moisture wt, %	8.0 maximum	ASTM-D1439
Purity DB (w/w), %	66.0 minimum	ASTM-D1439
DS (degree of substitution)	0.45 – 0.65	ASTM-D1439
Viscosity LVF 2%, 25 °C, cps	200,0 maximum	ASTM-D1439
pH (solución 2 %)	8 - 12	Amtex Method

3.0 Sensory Characteristics

Item	Description
Color	Creamy – white
Odor	Odorless
Flavor	Flavorless





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4.0 Applications

This type of CMC is used as dirt antiredeposition agent, thickening, filtrate reducing agent, stabilizer, binder, flow controlling agent, rheology and water retention.

5.0 Packing and presentation

It comes in 25 kilo bulks with multi-paper covers and an inside plastic liner. The name of the product, the specification number, date of manufacturing, lot number and other requirements made by the client are printed on the bags.

6.0 Storage

It should be stored in an indoors cool, dry place.

Since this is a hygroscopic solid which tends to absorb moisture from the air, the bulks or bags must be closed at all times. If the content is partially consumed close it again as tightly as possible

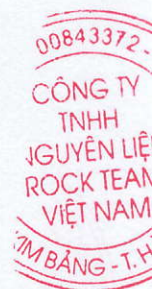
7.0 Expiration

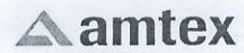
Amtex SA has defined as criterion of expiration for its products a period of 2 years starting on the date of manufacture, this time is provided only as reference for our customers to make a preferential consumption of their inventories, in order to prevent any loss of its properties. However, by the nature of the product, and as a result of a natural process, the viscosity may decrease over time, still outside the specification range, but the product is still safe to use. So we recommend that the material must be re-checked after a long storage period and, if necessary, make a small correction in the dosage levels to maintain an optimum performance on the application. Obviously, this is only possible when the product has received a proper handling during storage

8.0 Regulations

Not apply.

Notice: this information is given as general guidelines; there is no warranty because application, use and processing of our products are something we cannot control. All data here corresponds to our current knowledge and test results obtained in our labs and plant, but they are not a warranty to the specific properties of the products or its convenience for a particular use. We suggest our clients to carry out their own tests in order to find the most suitable conditions to use our products. Users must observe all norms regarding to the use of this product. Please contact us if you need technical assistance.





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Change Control

EDITION	COMMENTS	AUTHOR
08	Format update	LAC

1. Identification
1.1 Description
1.2 Synonyms
1.3 Chemical Structure



2. Physical Properties

Property	Value
Appearance	White powder
Melting point	100-105°C
Boiling point	200-205°C
Density	1.25 g/cm³
Refractive index	1.50
Optical rotation	0
Optical density	0.1
Optical activity	0
Optical density	0.1

3. Sensory Characteristics

Property	Value
Color	White
Odor	Odorless
Taste	Sweet
Flavor	Sweet

