

## Methylsulfonylmethane (MSM) 60-80mesh

### DESCRIPTION

Methylsulfonylmethane is a form of organic sulfur found in all living organisms. It is a white crystalline powder that is one of the most bio-available sources of sulfur.

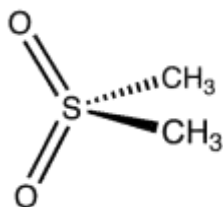
### PRODUCT IDENTIFICATION

Synonym: Methyl sulfone; DMSO<sub>2</sub>

Chemical name: 3-Tertiary-butyl-4-hydroxyanisole, a mixture of 3-and 2-tertiary-butyl-4-hydroxyanisole

CAS No.: 67-71-0

EINECS No.: 200-665-9



Molecule formula: C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>S    Molecular weight: 94.13

### SPECIFICATION

ITEMS	SPECIFICATION	METHOD
Appearance	White crystalline powder	Visual
Odor	Odorless	Oganoleptic
Identification A+B	Meet the requirements of USP40	USP
Particle size	60-80 mesh	USP
Assay	98.0% - 102.0%	USP
Melting point	108.5°C-110.5°C	USP
Boiling point	238°C	USP
Water content	0.2% Max	USP
Residue on ignition	0.1% Max	USP
Sulfur content	34%	USP
Bulk density	>0.65 g/ml	USP
Heavy metals (as Pb)	3 ppm Max	USP
Lead	0.3 ppm Max	ICP-MS
Arsenic	0.1 ppm Max	ICP-MS
Cadmium	0.1 ppm Max	ICP-MS
Mercury	0.1 ppm Max	AAS

Chromatographic purity and limit of dimethylsulfoxide	Meet the requirements of USP40	USP
Total aerobic microbial content	1000 cfu/g Max	USP
Yeast & mold	100 cfu/g Max	USP
E.Coli	Negative/g	USP
Salmonella	Negative/10 g	USP
S.Aureus	Negative	USP

Non-Irradiation

### **STORAGE**

The product may be stored for 24 months from the date of manufacture in the unopened original container. Keep container tightly closed under cool and light proof conditions. Once opened, use contents quickly.

### **APPLICATION**

MSM will be ingested to contribute significantly to the daily nutritional sulfur requirement. Sulfur plays an indispensable role in human nutrition which is often overlooked. It is responsible for the conformation of body proteins through the formation of disulfide bonds, thereby holding connective tissue together.

MSM can also be used as an animal feed supplement. It is helpful in relieving symptoms of knee osteoarthritis in animals. It is easy to feed and is very palatable to animals eg. horses.

200247 (M02714)  
20210514 - Rev. 3.4