



Certificate of Analysis

Product Name	Methyl Sulfonyl Methane (MSM)		
INCI Name:	DIMETHYL SULFONE		
Pharmaceutical Grade (40Mesh)	Pharmaceutical Grade (40Mesh)		
CAS	67-71-0		
MF	C ₂ H ₆ O ₂ S		
EINECS	200-665-9		
Batch Number	20260609	Manufacture Date	20260609
Report Date	20260609		

Items Tested	Specifications	Results	Test Method
Physical and Chemical Analysis			
Purity	>99.90%	99.95%	USP32, page 1053(GC)
DMSO Content	≤0.01%	0%	USP32, page 1053(GC)
Appearance	White Crystalline Powder	Complies	Organoleptic examination
Odor	Odorless	Odorless	USP31
Melting Point@760mmHg	108.5-110.5°C	108.9	USP31
Bulk Densityg	>0.65 ml	0.72 ml	USP31
Water Content	<0.20%	0.14%	BP Appendix IX C;determined on 0.5g
Physical Characteristics			
Loss on Drying	≤ 5.00%	3.64%	USP <731> / Ph.Eur. 2.2.32
Total ash	≤ 5.00%	2.84%	USP<561>
Bulk Density	0.45–0.60 g/mL	0.53 g/mL	USP <616> / Ph.Eur. 2.9.34
Heavy Metals (ICP-MS)			
Total Heavy Metals: ppm	<3	<3	ICP-MS
Lead (Pb)	≤ 1 ppm	< 1 ppm	ICP-MS
Arsenic (As)	≤ 0.1 ppm	< 0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 0.1 ppm	< 0.1 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	< 0.1 ppm	ICP-MS
Microbial Limits			
Residue on Ignition% %	<0.20	<0.2	USP32, page 1053
Total Aerobic Microbial Count	≤ 1000 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
Total Yeast and Mold Count	≤ 100 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
E. coli	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13
Salmonella spp.	Absent in 10g	Absent	USP <62> / Ph. Eur. 2.6.13
Pseudomonas aeruginosa	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13

Quality Statement: This product is manufactured under a quality system compliant with cGMP principles for both food and cosmetic applications. Specifications and test methods are established with reference to the relevant ISO Standards, Chinese National Standards (GB), United States Pharmacopeia (USP), and European Pharmacopoeia (Ph. Eur.).

For cosmetic use, the batch fully complies with the requirements of EU Cosmetic Regulation (EC) No 1223/2009, China's Safety Technical Standards for Cosmetics (2015 Edition), and U.S. FDA cosmetic GMP guidelines. For food use, the batch meets the applicable requirements of China's national food safety standards (including GB 2762, GB 2763, GB 7101) and the U.S. FDA Food Safety Modernization Act (FSMA) and applicable food additive regulations.

Storage: Store in tight, light-resistant containers. Avoid exposure to direct sunlight, moisture, and excessive heat.

Shelf Life: 24 months if stored under the above conditions and remains in original packaging.

