



**H2O AIR WATER AMERICAS**  
**MSM 0-20 MESH ORGANIC SULFUR**  
**LAB ANALYSIS**

Specification	Test Method
<b><u>Physical Properties</u></b>	
Appearance	White to off white crystalline powder, Organic Sulfur Organoleptic
Odor	Characteristic low sulfur smell Organoleptic
Bulk Density Loose (gm/cc)	$\geq 0.7$ Loose Fill
Particle size thru # 10 (%)	20 MESH $\leq 70$ Rotap 5 minutes
Particle Shape	Large Granular Flakes Homogeneous Mixture
Food Grade	Non GMO, No Additives, No Fillers Highest Quality and Purity
<b><u>Analytical</u></b>	
Assay (Dry Basis, %)	$\geq 99$ GC
DMSO (%)	$\leq 0.05$ USP curr. edit.
Loss on drying (%)	$\leq 0.2$ Karl Fischer
Melting Point (C)	$\geq 108.5$ $\leq 110.5$ USP curr. edit.
Heavy Metals (ppm)	$\leq 3$ USP curr. edit.
Lead (ppm)	$\leq 0.5$ ICP-MS
Arsenic (ppm)	$\leq 1$ ICP-MS
Purity	99.9% $\pm 1$
<b><u>Microbiological</u></b>	
APC (CFU/gm)	$\leq 1000$ USP curr. edit.
Yeast/mold (CFU/gm)	$\leq 100$ USP curr. edit.
E. Coli (CFU/gm)	Negative USP curr. edit.
Salmonella (25 gm)	Negative USP curr. edit.
<b><u>Storage Conditions</u></b>	
Storage conditions	Cool dry place sealed in light resistant container
Shelf life	3 years
Revision #	NA
Sample Date	Jan. 08, 2014
Sample I.D.	R - 0122014
Test Completed Date	Jan. 22, 2014

Approved by: Vinay Patel Date: 02/28/2014  
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