



H2O AIR WATER AMERICAS MSM ORGANIC SULFUR – LAB ANALYSIS

	Specification	Test Method
<u>Physical Properties</u>		
Appearance	White to off white crystalline powder, Organic Sulfur	Organoleptic
Odor	Characteristic low sulfur smell	Organoleptic
Bulk Density Loose (gm/cc)	>= 0.7	Loose Fill
Particle size thru # 10 (%)	<= 70	Rotap 5 minutes
Particle Shape	Large Granular Flakes	Homogeneous Mixture
Food Grade	Non GMO, No Additives, No Fillers	Highest Quality and Purity
<u>Analytical</u>		
Assay (Dry Basis, %)	>= 99.6	GC
DMSO (%)	<= 0.05	USP curr. edit.
Loss on drying (%)	<= 0.2	Karl Fischer
Melting Point (C)	>= 108.5 <= 110.5	USP curr. edit.
Heavy Metals (ppm)	<= 3	USP curr. edit.
Lead (ppm)	<= 0.5	ICP-MS
Arsenic (ppm)	<= 1.5	ICP-MS
Cadmium (ppm)	<= 0.5	ICP-MS
Mercury (ppm)	<= 0.2	ICP-MS
Purity	>=99.9% +/-1	
<u>Microbiological</u>		
APC (CFU/gm)	<= 1000	USP curr. edit.
Yeast/mold (CFU/gm)	<= 100	USP curr. edit.
E. Coli (CFU/gm)	Negative	USP curr. edit.
Salmonella (25 gm)	Negative	USP curr. edit.
<u>Storage Conditions</u>		
Storage conditions	Cool dry place sealed in light resistant container	
Shelf life	1460 days (4 years)	
Revision #	NA	
Sample Date	June 6, 2019	
Sample I.D.	156019	
Test Completed Date	July 24, 2019	

Approved by: Vinay Patel Date: 7/24/2019
 Vinay Patel - VP Enviro Science Technologies Inc.