

PRODUCT DATA SHEET:

Stearates - High Purity Grade



Life Sciences

Stearates - Magnesium Stearate - Vegetable

Magnesium - 910-G: Food grade magnesium stearates are used as binders, lubricants and tablet release agents. They are also used in cosmetics as anti-caking agents, binding agents, dusting additives, emulsifying agents, gelling agents, thickening agents and in the suspension of pigments.

TYPICAL PHYSICAL PROPERTIES	
Melting Point (°C)	130 - 145
Bulk Density (g/ml)	0.15
Median Particle Size (micron)	9.2

BSI Code: 910-G

C.A.S. Number: 557-04-0

Monographs: FCC*

Certifications: Kosher

***Note:** For use as food additive conforming to FCC and E470a requirements

Particle Size Distribution: See Page 2

TYPICAL CHEMICAL PROPERTIES	
Grade	Vegetable
Oxide (%)	6.8 - 8.3
Free Fatty Acid (max %)	2.0
Moisture (max %)	4.0
Soluble Salts (%)	0.1
Lead - Pb (max ppm)	5
Arsenic - AS (max ppm)	3
Mercury - Hg (max ppm)	1
Cadmium - Cd (max ppm)	1
Heavy Metals (max ppm)	10

Storage: Store in cool location, keep away from heat and direct sunlight. Keep container sealed.

Handling Precautions: Please refer to the Magnesium Stearate Safety Data Sheet.

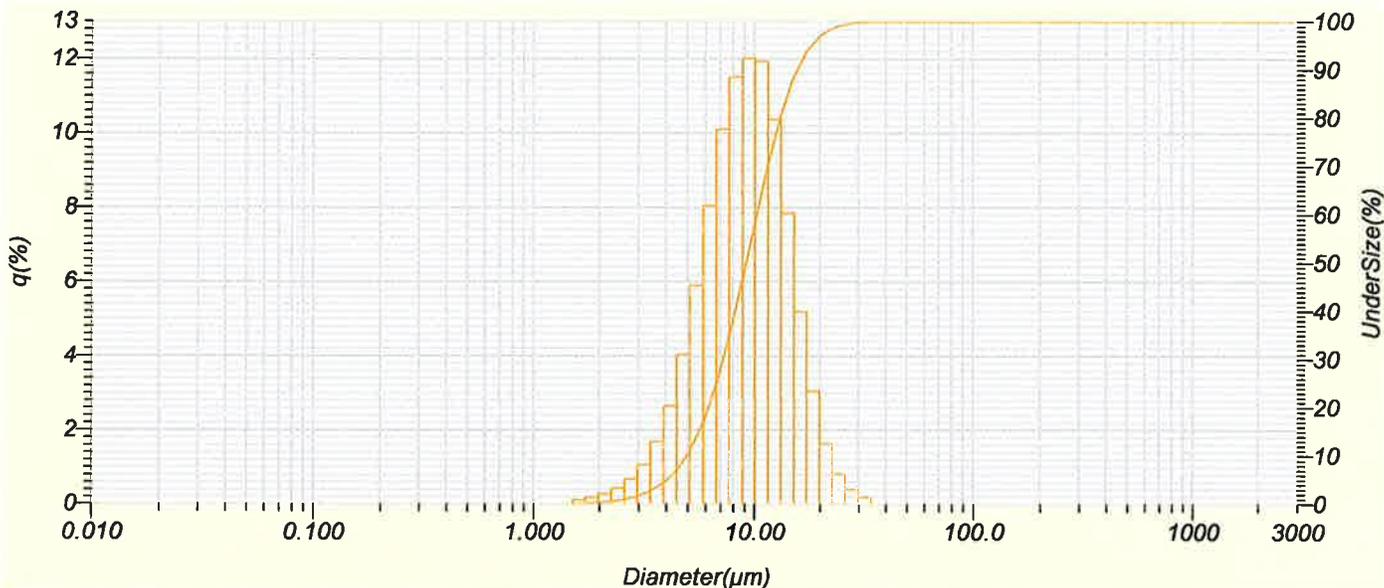
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HORIBA LA950 for Windows [Wet] Ver3.55 Laser Light Scattering Particle Size Analysis

BSI

Sample Name	: 910-g	Median Size	: 9.15956(μm)
ID#	: 201701051250579	Mean Size	: 9.87873(μm)
Transmittance(R)	: 81.7(%)	Std.Dev.	: 4.4534(μm)
Transmittance(B)	: 80.1(%)	Diameter on Cumulative % :	(1)10.00 (%) - 4.9394(μm)
Circulation Speed	: 3		(2)50.00 (%) - 9.1596(μm)
Agitation Speed	: 2		(3)90.00 (%) - 15.6792(μm)
Ultra Sonic	: OFF	Cumulative % on Diameter :	
Form of Distribution	: Manual		
Distribution Base	: Volume		
Material	: Magnesium Stearate		
Source	: 0.5g of spl in 20m l IPA		
Lot Number	: S0181		
Test or Assay. Number	:		
Refractive Index (R)	: Magnesium Stearate[919-G(1.800 - 0.000i),Water(1.333)]		
Refractive Index (B)	: Magnesium Stearate[919-G(1.800 - 0.000i),Water(1.333)]		



No.	Diameter(μm)	q(%)	UnderSize(%)	No.	Diameter(μm)	q(%)	UnderSize(%)	No.	Diameter(μm)	q(%)	UnderSize(%)	No.	Diameter(μm)	q(%)	UnderSize(%)
1	0.011	0.000	0.000	24	0.259	0.000	0.000	47	5.867	5.886	16.967	70	133.103	0.000	100.000
2	0.013	0.000	0.000	25	0.296	0.000	0.000	48	6.720	8.039	25.006	71	152.453	0.000	100.000
3	0.015	0.000	0.000	26	0.339	0.000	0.000	49	7.697	10.101	35.107	72	174.616	0.000	100.000
4	0.017	0.000	0.000	27	0.389	0.000	0.000	50	8.816	11.504	46.611	73	200.000	0.000	100.000
5	0.020	0.000	0.000	28	0.445	0.000	0.000	51	10.097	12.017	58.628	74	229.075	0.000	100.000
6	0.022	0.000	0.000	29	0.510	0.000	0.000	52	11.565	11.916	70.544	75	262.376	0.000	100.000
7	0.026	0.000	0.000	30	0.584	0.000	0.000	53	13.246	10.360	80.904	76	300.518	0.000	100.000
8	0.029	0.000	0.000	31	0.669	0.000	0.000	54	15.172	7.839	88.743	77	344.206	0.000	100.000
9	0.034	0.000	0.000	32	0.766	0.000	0.000	55	17.377	5.187	93.930	78	394.244	0.000	100.000
10	0.039	0.000	0.000	33	0.877	0.000	0.000	56	19.904	3.049	96.979	79	451.556	0.000	100.000
11	0.044	0.000	0.000	34	1.005	0.000	0.000	57	22.797	1.632	98.611	80	517.200	0.000	100.000
12	0.051	0.000	0.000	35	1.151	0.000	0.000	58	26.111	0.816	99.427	81	592.387	0.000	100.000
13	0.058	0.000	0.000	36	1.318	0.000	0.000	59	29.907	0.391	99.818	82	678.504	0.000	100.000
14	0.067	0.000	0.000	37	1.510	0.000	0.000	60	34.255	0.182	100.000	83	777.141	0.000	100.000
15	0.076	0.000	0.000	38	1.729	0.105	0.105	61	39.234	0.000	100.000	84	890.116	0.000	100.000
16	0.087	0.000	0.000	39	1.981	0.173	0.277	62	44.938	0.000	100.000	85	1019.515	0.000	100.000
17	0.100	0.000	0.000	40	2.269	0.274	0.551	63	51.471	0.000	100.000	86	1167.725	0.000	100.000
18	0.115	0.000	0.000	41	2.599	0.429	0.980	64	58.953	0.000	100.000	87	1337.481	0.000	100.000
19	0.131	0.000	0.000	42	2.976	0.673	1.653	65	67.523	0.000	100.000	88	1531.914	0.000	100.000
20	0.150	0.000	0.000	43	3.409	1.064	2.717	66	77.339	0.000	100.000	89	1754.613	0.000	100.000
21	0.172	0.000	0.000	44	3.905	1.685	4.402	67	88.583	0.000	100.000	90	2009.687	0.000	100.000
22	0.197	0.000	0.000	45	4.472	2.643	7.045	68	101.460	0.000	100.000	91	2301.841	0.000	100.000
23	0.226	0.000	0.000	46	5.122	4.036	11.081	69	116.210	0.000	100.000	92	2636.467	0.000	100.000