

PRODUCT DATA SHEET:

Stearates - High Purity Grade



Life Sciences

Stearates - Calcium Stearate - Vegetable

Calcium - 920-T: Vegetable grade calcium stearate is used as a lubricant, mold release agent, anti-caking agent, emulsifying agent, water repellent and thickening agent.

TYPICAL PHYSICAL PROPERTIES	
Melting Point (°C)	145 - 160
Bulk Density (g/ml)	0.26
Median Particle Size (micron)	24.7

BSI Code: 920-T

C.A.S. Number: 1592-23-0

Monographs: FCC*

Certifications: Kosher

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

TYPICAL CHEMICAL PROPERTIES	
Grade	Vegetable
Oxide (%)	9.0 - 10.5
Free Fatty Acid (max %)	1.5
Moisture (max %)	4.0
Soluble Salts (%)	0.1
Lead - Pb (max ppm)	2
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 Calcium Stearate Safety Data Sheet.

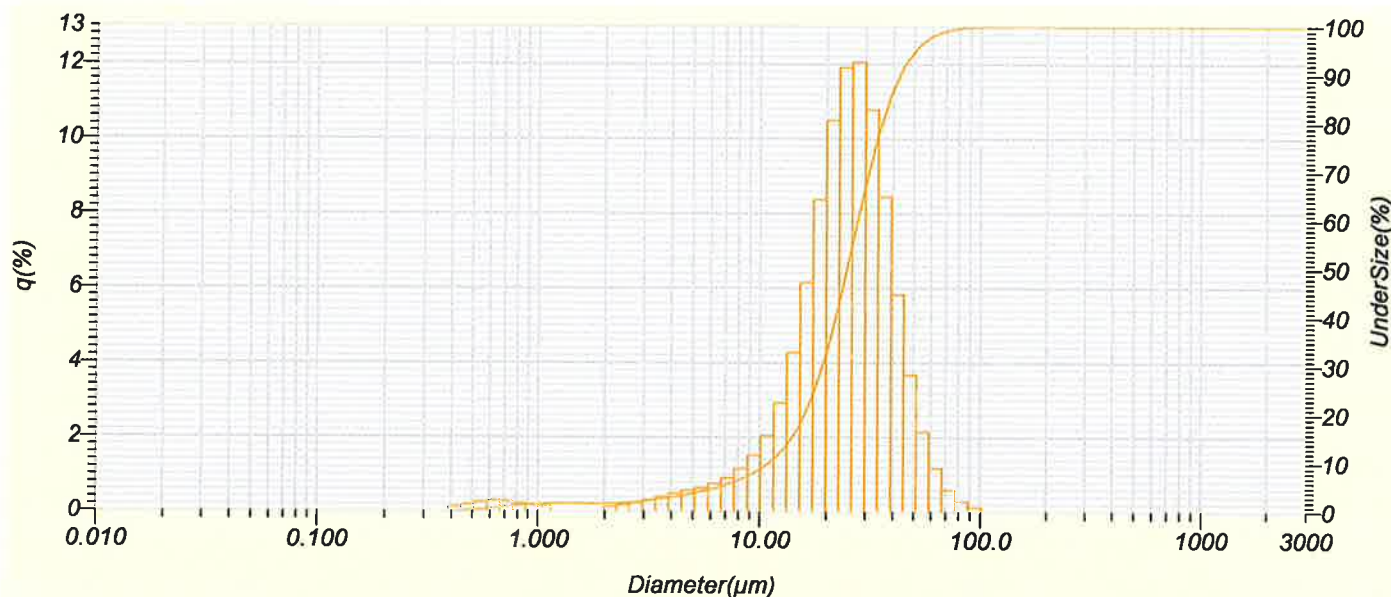
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HORIBA LA950 for Windows [Wet] Ver3.55 Laser Light Scattering Particle Size Analysis

BSI

Sample Name	: 920-T Calcium Sterate	Median Size	: 24.67969(μ m)
ID#	: 201708161055589	Mean Size	: 26.16593(μ m)
Transmittance(R)	: 75.2(%)	Std.Dev.	: 13.2673(μ m)
Transmittance(B)	: 77.2(%)	Diameter on Cumulative %	: (1)10.00 (%) - 10.9069(μ m)
Circulation Speed	: 3		: (2)50.00 (%) - 24.6797(μ m)
Agitation Speed	: 2		: (3)90.00 (%) - 42.8630(μ m)
Ultra Sonic	: OFF	Cumulative % on Diameter	:
Form of Distribution	: Manual		
Distribution Base	: Volume		
Material	: Calcium Sterate		
Source	: 0.5g of spl in 20mL IPA		
Lot Number	: S2673		
Test or Assay. Number	:		
Refractive Index (R)	: Calcium Stearate[Calcium Stearate(1.460 - 0.000i),Water(1.333)]		
Refractive Index (B)	: Calcium Stearate[Calcium Stearate(1.460 - 0.000i),Water(1.333)]		



No.	Diameter(μ m)	q(%)	UnderSize(%)	No.	Diameter(μ m)	q(%)	UnderSize(%)	No.	Diameter(μ m)	q(%)	UnderSize(%)	No.	Diameter(μ m)	q(%)	UnderSize(%)
1	0.011	0.000	0.000	24	0.259	0.000	0.000	47	5.867	0.641	4.544	70	133.103	0.000	100.000
2	0.013	0.000	0.000	25	0.296	0.000	0.000	48	6.720	0.745	5.289	71	152.453	0.000	100.000
3	0.015	0.000	0.000	26	0.339	0.000	0.000	49	7.697	0.901	6.189	72	174.616	0.000	100.000
4	0.017	0.000	0.000	27	0.389	0.000	0.000	50	8.816	1.144	7.334	73	200.000	0.000	100.000
5	0.020	0.000	0.000	28	0.445	0.117	0.117	51	10.097	1.508	8.842	74	229.075	0.000	100.000
6	0.022	0.000	0.000	29	0.510	0.187	0.304	52	11.565	2.038	10.880	75	262.376	0.000	100.000
7	0.026	0.000	0.000	30	0.584	0.253	0.557	53	13.246	2.913	13.793	76	300.518	0.000	100.000
8	0.029	0.000	0.000	31	0.669	0.285	0.841	54	15.172	4.269	18.062	77	344.206	0.000	100.000
9	0.034	0.000	0.000	32	0.768	0.269	1.110	55	17.377	6.143	24.204	78	394.244	0.000	100.000
10	0.039	0.000	0.000	33	0.877	0.220	1.330	56	19.904	8.356	32.561	79	451.556	0.000	100.000
11	0.044	0.000	0.000	34	1.005	0.166	1.495	57	22.797	10.480	43.041	80	517.200	0.000	100.000
12	0.051	0.000	0.000	35	1.151	0.123	1.618	58	26.111	11.904	54.945	81	592.387	0.000	100.000
13	0.058	0.000	0.000	36	1.318	0.000	1.618	59	29.907	12.051	66.996	82	678.504	0.000	100.000
14	0.067	0.000	0.000	37	1.510	0.000	1.618	60	34.255	10.768	77.764	83	777.141	0.000	100.000
15	0.076	0.000	0.000	38	1.729	0.000	1.618	61	39.234	8.442	86.206	84	890.116	0.000	100.000
16	0.087	0.000	0.000	39	1.981	0.000	1.618	62	44.938	5.822	92.028	85	1019.515	0.000	100.000
17	0.100	0.000	0.000	40	2.269	0.123	1.741	63	51.471	3.670	95.698	86	1167.725	0.000	100.000
18	0.115	0.000	0.000	41	2.599	0.168	1.909	64	58.953	2.137	97.835	87	1337.481	0.000	100.000
19	0.131	0.000	0.000	42	2.976	0.233	2.142	65	67.523	1.162	98.996	88	1531.914	0.000	100.000
20	0.150	0.000	0.000	43	3.409	0.314	2.457	66	77.339	0.593	99.590	89	1754.613	0.000	100.000
21	0.172	0.000	0.000	44	3.905	0.401	2.858	67	88.583	0.282	99.872	90	2009.687	0.000	100.000
22	0.197	0.000	0.000	45	4.472	0.484	3.342	68	101.460	0.128	100.000	91	2301.841	0.000	100.000
23	0.226	0.000	0.000	46	5.122	0.561	3.903	69	116.210	0.000	100.000	92	2636.467	0.000	100.000