

Spray Dryer Grade	Particle Size Distribution			Sieve Analysis (% Retention)			Bulk Density (gm/ml)	LOD (%)	DOP
	D10 (µm)	D50 (µm)	D90 (µm)	60 Mesh	200 Mesh	100 Mesh			
Accel-101	NMT 30	40 - 60	NLT 80	< 1.0%	< 30.0%		0.27-0.34	NMT 5.0%	NMT350
Accel-102	NMT 45	70 - 100	NLT 140	< 8.0%	>45.0%		0.26-0.34	NMT 5.0%	NMT350
Accel-102HD	NMT 45	70 - 100	NLT 140	< 8.0%	>45.0%		0.30-0.36	NMT 5.0%	NMT350
Accel-103	NMT 30	40 - 60	NLT 80	< 1.0%	< 30.0%		0.26-0.34	NMT 5.0%	NMT350
Accel-105	NMT 10	10 - 30	NLT 37	NMT 10.0 % on 400 Mesh			0.20-0.30	NMT 5.0%	NMT350
Accel-112	NMT 45	70 - 100	NLT 140	< 8.0%	>45.0%		0.26-0.34	NMT 1.5%	NMT350
Accel-113	NMT 30	40 - 60	NLT 80	< 1.0%	< 30.0%		0.26-0.34	NMT 5.0%	NMT350
Accel-200	NMT 70	150-200	NLT 260	>10.0%		>50%	0.31-0.39	NMT 5.0%	NMT350
Accel-301	NMT 30	40 - 60	NLT 80	< 1.0%	< 30.0%		0.34-0.45	NMT 5.0%	NMT350
Accel-302	NMT 45	70 - 100	NLT 140	< 8.0%	>45.0%		0.35-0.45	NMT 5.0%	NMT350
Accel-12	NMT 45	70 - 100	NLT 140	38 Mesh	94 Mesh	300 Mesh	0.26-0.40	NMT 5.0%	NMT350
				<1.0%	<50.0%	>70.0 %			

DETAILS	
Identification A (USP/BP), B (EP), 1 (JP), (Zinc Chloride test)	Conforms
Identification B (Degree of Polymerization)	NMT 350
Identification 2	Conforms
Solubility (coppertetramine solution)	Dissolves
Ph	5.0-7.5
Conductivity	NMT 75 µS.cm ⁻¹
Water - Soluble Substance	NMT 0.25%
Ether - Soluble Substance	NMT 0.05%
Loss on Drying	NMT 7.0%
Heavy Metals	NMT 10 PPM
Residue on Ignition / Sulphated Ash	NMT 0.1%
Bulk Density	0.27 to 0.34 g/ml
Assay (Dried)	97.0% to 102.0%
Sieve Analysis (% Retention)	
60 Mesh	≤ 1.0%
200 Mesh	≤ 30.0%
Particle Size Distribution	
PSD D10	≤ 30µ
PSD D50	40 - 60µ
PSD D90	≥ 80 µ
Black Particle	NMT 08 per 600 cm ²

DESCRIPTION
White or almost white, fine or granular crystalline powder, practically insoluble in water, in dilute acids, in most of organic solvents and in dilute NaOH solution(1 in 20).

MICROBIAL LIMITS	
Total Viable Aerobic Count	NMT 1000 cfu/g
Total yeast & Mould Count	NMT 100 cfu/g
Staphylococcus aureus	Absent
Escherichia coli	Absent
Pseudomonas aeruginosa	Absent
Salmonella species	Absent

NOTE:

Technical specifications mentioned here are for the Spray Dried Grade MCC; Accel-101. Contact us for details on NSD Grades and/or other Accelgrades.