

PRODUCT INFORMATION

Trade name	APA-CH
Chemical name	Chitosan
Chemical Formula	Ca ₆ H ₁₁ NO ₄
CAS #	9012-76-4

ANALYSIS	Unit	Result	Test Method
Dry Matter Content	%	92.9%	CP – 001
Ash	%	0.4%	CP – 002
Turbidity		13 NTU	CP – 003
Viscosity		680 CP (mPa : s)	CP – 004 (1% chitosan)
Solubility	%	99.8%	CP -006
Degree of Deacetylation	%	95%	CP – 010 (Colloidal titration)
Protein	%	≤ 0.1%	As total amino acids
Sieve Analysis	%	95% through 18 mesh	CP – 008
Tap density	g/cc	0.46	CP – 009
Appearance		White powder	CP – 007
Taste and odour		No taste or smell	CP – 007

ANALYSIS	Unit	Result	Detection limit	Test Method
Aerobic plate count	cfu/g	< 1000	10	NMKL 86
Yeast and Mold	cfu/g	< 100	10	NMKL 98
Coliform bacteria	cfu/g	absent	10	ISO 4831
E-coli	cfu/g	absent	0.3	ISO 7251
Salmonella SP		absent	Neg.	NMKL 71
Arsenic	ppm	None detection	1.0	SW – 846 6020 ICP / MS
Cadmium	ppm	None detection	0.20	SW – 846 6020 ICP / MS
Lead	ppm	< 1.0 ppm	0.10	SW – 846 6020 ICP / MS
Mercury	ppm	None detection	0.1	SW – 846 7471 CVAA

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