

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	Recombinant Human Type III Collagen
SKU #:	rp336826
Version:	1
Source:	Recombinant
Specifications & Purity:	Animal Free, Carrier Free, Recombinant, expressed in Pichia pastoris, ≥95% (SEC-HPLC)
Concentration:	
Formulation:	Lyophilized
Reconstitution:	Reconstitute in sterile water or physiological saline.
Storage Conditions:	Store at 2-8°C

Parameter	Limit Values
Appearance(rp336826)	White or off white spongy solid
Peptide map	Consistent with the theory.The peptide sequence coverage should be 100%
Visible particles	Should be no Visible particles to the naked eye
Solubility	soluble in water/PBS (pH 7.4)
pH (1mg/ml)	5.5-8.0
Residue on ignition	0-2(%)
Hydration	<10(%)
Purity(SEC-HPLC)	95-100(%)
Thermal stability	10mg/ml of water solution was kept in (57±0.5)°C water bath for 4 hours, no gelation or flocculation was observed by naked eye
Arsenic(As)≤1mg/kg	Conform
Cadmium(Cd)≤5mg/kg	Conform
Mercury (Hg) ≤1mg/kg	Conform

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Parameter	Limit Values
Lead (Pb) $\leq 10\text{mg/kg}$	Conform
Total Aerobic Microbial Count $< 100\text{ CFU/g}$	Conform
Total Yeast & Mold Count $< 100\text{ CFU/g}$	Conform
Escherichia coli	Not detected
S. aureus	Not detected
P.Aeruginosa	Not detected
Endotoxin Level $< 0.5\text{ EU/mg}$	Conform
Heavy Metal (as Pb) $\leq 10\text{mg/kg}$	Conform
Residual Exogenous DNA $\leq 1.5\text{ng/mg}$	Conform
Host Cell Protein (HCP) $\leq 0.05\%$	Conform