

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	Recombinant Human Type XVII Collagen
SKU #:	rp336830
Version:	1
Source:	Recombinant
Specifications & Purity:	Animal Free, Carrier Free, Low Endotoxin, Recombinant, $\geq 95\%$ (SDS-PAGE)
Concentration:	
Formulation:	Lyophilized
Reconstitution:	Reconstitute in sterile water or physiological saline.
Storage Conditions:	Store at 2-8°C, Protected from light, Desiccated

Parameter	Limit Values
Appearance(rp336830)	White or off white spongy solid
Visible particles	Should be no Visible particles to the naked eye
Solubility	Soluble in water
pH (1mg/ml)	4.0-7.0
Residue on ignition	0-2(%)
Hydration	$\leq 10\%$
Purity(SDS-PAGE)	95-100(%)
Thermal stability (10mg/ml of water solution was kept in $(57 \pm 0.5)^{\circ}\text{C}$ water bath for 4 hours, no gelation or flocculation was observed by naked eye)	Conform
Arsenic(As) $\leq 1\text{mg/kg}$	Conform
Cadmium (Cd) $\leq 5\text{mg/kg}$	Conform
Mercury(Hg) $\leq 1\text{mg/kg}$	Conform
Lead(Pb) $\leq 10\text{mg/kg}$	Conform

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Parameter	Limit Values
Total Aerobic Microbial Count < 100 CFU/g	Conform
Total Yeast & Mold Count < 10 CFU/g	Conform
Escherichia coli	Not detected
S. aureus	Not detected
P.Aeruginosa	Not detected
Endotoxin Level <0.5 EU/mg	Conform
Residual Exogenous DNA ≤1.5ng/mg	Conform
Host Cell Protein (HCP) ≤0.05%	Conform
Peptide map	Consistent with the theory.The peptide sequence coverage should be 100%
Heavy Metal (as Pb) ≤10mg/kg	Conform