Aktin Chemicals, Inc.
No.88 Keyuan South Road, High-tech Zone, Chengdu
610041 P.R.China
Tel: 86-28-85159085 Fax: 86-28-85159085 Ex 604
Website: www.aktin.com Email: info@aktin.com

Nature Connecting Health

SPECIFICATION SHEET

Product Name	AKCOS® Heparinoid
CAS No.	391208-81-4
Product Specification	JP
Country of Origin	China

QUALITY SPECIFICATIONS

ITEMS	SPECIFICATIONS	METHODS
Appearance	Amorphous powder	Visual
Color	Yellow-white	Visual
Odor	Odorless	Organoleptic
Taste	Slightly bitter taste	Organoleptic
Solubility	It is freely soluble in water,and practically insoluble in methanol ethanol,acetone,or n-butanol	JT-MOA-QC00439
pH value	5.3-7.6	JT-MOA-QC00439
Optical Rotation	-11.7° ~-14.7°	JT-MOA-QC00439
Identification	To 10ml of toluidine blue solution,add 0.1ml of an aqueouos solution of Heparinoid and shake:the color of the soluion changes immediately from blue to purple.	JT-MOA-QC00439
	The TLC of this product should be consistent with the TLC of the standard solution.	JT-MOA-QC00439
	Determination by electrophoresis method,the relative mobility of Heparinoid against Sodium Chondroitin Sulfate calculated is 1.07 to 1.16	JT-MOA-QC00439
Purity		
Clarity and color of solution	The solution is clear and reddish-yellow	JT-MOA-QC00439
Chloride	≤0.178%	JT-MOA-QC00439
Heavy metals	≤20ppm	JT-MOA-QC00439
Protein	The solution produces no precipitate or turbidity	JT-MOA-QC00439

Aktin Chemicals, Inc.
No.88 Keyuan South Road, High-tech Zone, Chengdu
610041 P.R.China
Tel: 86-28-85159085 Fax: 86-28-85159085 Ex 604
Website: www.aktin.com Email: info@aktin.com

Nature Connecting Health

ITEMS	SPECIFICATIONS	METHODS
Free sulfate groups	≤13.0%	JT-MOA-QC00439
Intrinsic Viscosity	0.09~0.18	JT-MOA-QC00439
Loss on Drying	≤8.5%	JT-MOA-QC00439
Residue on Ignition	38.0%~48.0%	JT-MOA-QC00439
Assay		
D-Glucuronic acid	19.0%~24.0%	JT-MOA-QC00439
Nitrogen	1.6%~2.0%	JT-MOA-QC00439
Organic sulfate groups	25.8%~37.3%	JT-MOA-QC00439
Statement: Non-Irradiated, Non-BSE/TSE, Non-GMO, Non-Allergen		

STORAGE, STABILITY & PACKAGING

Storage	Store in a cool & dry place, keep away from strong light and heat.
Stability	24 months when properly stored.
Packaging	Packed in paper-drums with two food grade plastic-bags inside, 25kg/Drum or as requested.