

山东广昊生物制品有限公司检验报告单
SHANDONG GUANGHAO BIOLOGICAL PRODUCTS CO., LTD
CERTIFICATE OF ANALYSIS

产品 Product: 硫酸软骨素 Chondroitin Sulfate
批号: Batch number GH20201210
生产日期 production date: 2020-12-10
有效期至 expiry date: 2022-12-09
产地 Origin: 临沂 Linyi

指标 Test Items	标准 Specification	检测结果 Test Results
含量 (CPC, 以干品计) Assay (By CPC) (on the dried basis)	≥90.0%	90.70%
HPLC (on the dried basis)	≥90.0%	90.20%
干燥失重 Loss on drying	≤12.0%	10.60%
外观 Character	白色或类白色流动性粉末, 无可见异物 White to off-white free flowing powder, No visible impurities.	White powder
粒度 Particle size	100%通过 80 目	80mesh
蛋白质 Limit of protein (on the dried basis)	≤6.0%	4.50%
重金属 (Pb) Heavy metals (Pb)	NMT 10ppM	NMT 10ppM
PH	5.5~7.5 in a solution (1 in 100)	6.00
澄清度 Clarity and color of solution (5% concentration)	吸光度≤0.35(420nm) Its absorbance is not greater than 0.35 (420nm)	0.180
氯离子 Chloride	≤0.50%	Pass
硫酸盐 Sulfate	≤0.24%	Pass
Residual Solvents 溶剂残留	Meets the USP requirements	Pass
比旋度 Specific rotation	-20.0°~-30.0°	-26.80°
大肠杆菌 E Coli	Negative	Negative
沙门氏菌 Salmonella	Negative	Negative
需氧菌总数 Total aerobic count	<1000cfu/g	Complied
霉菌和酵母菌 Yeasts and Molds	<100cfu/g	Complied
葡萄球菌 Staph	Negative	Negative

检验员: 张秋萍
ANALYST: ZHANGQIUPING

复核: 李洁
CHECKER: LIJIE

结论: 产品符合 USP41 标准
Conclusion: The product conforms to standards USP41

