

曲阜市丽阳生物制品有限公司

Qufu Liyang Biochem Industrial Co., Ltd

I

CERTIFICATE OF ANALYSIS

品名 Product Name	透明质酸钠 Sodium Hyaluronate		
生产批号 Batch No.	HA20130714	生产日期 Manu. Date:	2013.07.14
原料 Source	生物发酵 Fermented	级别 Grade	化妆品级 Cosmetic Grade

检测项目 Test Items	执行标准 Standard	化验结果 Results
外观 Appearance	White powder	White powder
透明质酸钠, % Sodium Hyaluroante,%	≥95%	98.76%
分子量, Da Molecular weight, Da	(0.1-2.8) X 10 ⁶	1.8 X 10 ⁶
葡萄糖醛酸, % Glucuronic acid,%	≥40%	46.80%
溶液透光率度, % Solution transmittance,%	≥99.0%	99.6%
PH	5.5-7.5	6.23
干燥失重, % Loss on drying,%	≤10%	8.7%
氮 Nitrogen	3.0-4.0%	3.5%
蛋白含量, % Protein,%	≤0.15%	0.012%
炽热残渣 Heat remaining strong	≤20%	≤15.2%
重金属(以铅计), ppm Heavy metal(as pb),ppm	≤20ppm	Conformed
砷含量, ppm Arsenic,ppm	≤2ppm	Conformed
细菌总数, 个\克 Bacterial counts,cfu\g	≤100cfu/g	Conformed
霉菌和酵母菌, 个\克 Mold and Yeast,cfu\g	≤100cfu/g	Conformed
金黄色葡萄球菌 Staphylococcus aureus	Can not be checkout	Conformed
铜绿假单胞菌 Chlorop seu domonas	Can not be checkout	Conformed
Shelf Life	Two Years	
结论 Conclusion	符合标准 The results meet the standard	

Quality manager : 赵琴

Rechecker: 孔凡霞

Supervisor: 江蕙