



诸城华源生物工程有限公司

ZHUCHENG HUAYUAN BIOENGINEERING CO., LTD.

Certificate of Analysis

Commodity: Sodium D-isoascorbate ; Sodium Erythorbate

Batch No.:HY20200808

Date of manufacturing: AUG.08, 2020

Quantity:24000KGS

Date of expiry: AUG.07, 2022

ORDER NO.:18262

Date of testing: AUG.09, 2020

Test Items	Test Parameters	Test Results
Appearance	White crystalline powder	Conforms
Identification	Positive	Positive
Assay(C ₁₂ H ₁₀ O ₆ Na·H ₂ O)	98.0%~100.5%	99.2%
Specific rotation[α] _D ^{25°}	+95.5°~+98.0°	+96.6°
pH (1:20)	5.5-8.0	7.4
Lead	2PPM Max	Less than 2PPM
Heavy metals(as Pb)	10PPM Max	Less than 10PPM
Arsenic	3PPM Max	Less than 3PPM
Loss on drying	0.25% Max	0.03%

Conclusion: The product conforms to FCCIX.

We hereby certify that above is true and correct.

Checker: GuanAiqing

Analyst: LiuHuanfeng

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ZHUCHENG HUAYUAN BIOENGINEERING CO., LTD.

PRESIDENT