

Certificate of Analysis

Product Name	Diammonium glycyrrhizinate	Manufacture Date	May.10, 2021
Batch Quantity	180kg	Analysis Date	May.12, 2021
Batch Number	KN210510	Expiration Date	May.9, 2023
Botanical Name	Liquorice	Plant part	Root

Test	Specifications	Result
Assay	97.0%-103.0%	100.1%
Appearance	White to off-white crystalline powder	White crystalline powder
Odor and taste	Sweet	Sweet
Solubility	Should meet the requirements	Complies
Identification		
1	The liquid level should appear purple suspended matter	Complies
2	The benzene layer is purplish red	Complies
3	Maximum absorption occurs at 252nm	Complies
4	The solution should show the identification reaction of ammonium salt	Complies
Acid value	4.0-5.0	4.9
Loss on drying	≤2.0%	0.95%
Relate substance	Maximum impurity ≤4.8%	4.2%
	Sum of the impurities ≤9.8%	9.3%
Sulphate	≤0.02%	<0.02%
Residue on ignition	≤0.2%	0.04%
Heavy metal	≤ 10ppm	<10ppm
As	≤2ppm	<2ppm
Microbiology		
Total Plate Count	≤1000cfu/g	100cfu/g
Yeast & Mold	≤100cfu/g	50cfu/g
Pathogens	Negative	Negative
Conclusion	Conform with Standard	

Packing description	1kg/foil bag; 25kg/drum
Storage	Store in cool & dry place, keep away from strong light and heat
Shelf life	2 years when properly stored



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