



Certificate of Analysis

Product: Guanosine Triphosphate Disodium salt (GTP-Na ₂)	
Batch No.: 170503	Quantity: 57.5kg
Date of Manufacture: May.03,2017	Date of Expire:May.02,2019
Analysis according: Inhouse Specification	

Items	Requirements	Results
Description	White powder or off- white powder , easily soluble in water,practically insoluble in ethanol or ether.	Conforms
Absorption ratio	A ₂₅₀ / A ₂₆₀ = 0.92~1.00 A ₂₈₀ / A ₂₆₀ = 0.65~0.69	0.95 0.67
pH	3.0~5.0	4.0
Clarity of Solution and Color	Should be clear and colorless	Conforms
Protein	Should not be turbid	Conforms
Purity (HPLC)	not less than 90.0%	93.5%
Loss on drying	not more than 15.0%	7.0%
Contents (on dry basis)	not less than 85.0%	92.0%
Conclusion: Conforms to above standard.		
Storage: Store in -20°C. Keep away from strong light and heat.		
Shelf life: 2 years when properly stored.		

HANGZHOU FORTUNE BIOPHARM CO., LTD.
杭州泛青生物医药有限公司