



武汉福鑫化工有限公司

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CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Procaine Penicillin G	54-35-3	20240215
Mfg. Date	Exp. Date	Package
Feb., 15, 2024	Feb., 14, 2026	25kg/ Box/Bag/Drum

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White or almost white crystalline powder	white crystalline powder
Solubility	Slightly soluble in water, sparingly soluble in alcohol	Complies
Identification	(A) The infrared absorption spectrum is concordant with the reference spectrum.	Complies
	(B) The two spots on the TLC plate obtained with test solution are same in position with the reference solution.	Complies
	(C) A reddish brown colour develops	Complies
	(D) A intense orange or red colour and usually a precipitate of the same colour are produced	Complies
PH	5.0~7.5	6.2
Specific optical rotation	+165° ~+180 °	+177°
Related substances	(1) Impurity A: ≤0.024%	0.009%
	(2) Any other impurity: ≤1.0%	0.2%
Water	2.8%~4.2%	3.1%
Potency	971u/mg ~ 1031u/mg	1016
Content(on dried basis)	Procaine	98.2%

	Benzylpenicillin:96.0%~102.0%	
	Procaine:39.0%~42.0%	41.1%
Bacterial endotoxins	Not more than 0.10IU/mg	Complies
Sterility	Sterile	Complies
Conclusion	QUALIFIED.	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03

