



桦特昇生物科技（武汉）有限公司
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CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
PyBOP	128625-52-5	20240620
Mfg. Date	Exp. Date	Package
Jun., 20, 2024	Jun., 19, 2026	25kg/Drum

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White to off-white crystalline powder	White crystalline powder
Identification by HPLC	The retention time of the main peak of the sample solution is consistent with that of the reference solution	Confirm
Purity(HPLC)	$\geq 99.0\%$	99.70%
substances(HPLC)	HOBT $\leq 1.0\%$	0.13%
substances(HPLC)	PyCLOP $\leq 0.2\%$	Not Detected
substances(HPLC)	Related substances 4 $\leq 0.1\%$	Not Detected
Maximum unknown single impurity	$\leq 0.3\%$	Not Detected
Total impurities	$\leq 1.0\%$	0.3%
Melting point	150.0-158.0°C (dec.)	153.8°C
Loss on drying	$\leq 0.5\%$	0.10%
Residual solvents	Ethyl acetate ≤ 350 ppm	195.04ppm
Conclusion	QUALIFIED.	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03