

No.: BPAC-672-A-00/3.0

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Boc-Ser-OBzl	<b>CAS No.</b>	59524-02-6
<b>Batch No.</b>	A020367220A	<b>Mfg. Date</b>	Mar. 18, 2020
<b>Quantity</b>	100kg	<b>Retest Date</b>	Mar. 17, 2022
<b>Packing</b>	25kg/Drum	<b>Report Date</b>	Mar. 25, 2020
<b>Specification</b>	98%(HPLC)		

ITEM	SPECIFICATION	RESULT
<b>Appearance</b>	White powder	Complies
<b>IR Spectrum</b>	In accordance with the structure	Complies
<b>Mass Spectrum</b>	In accordance with the structure	Complies
<b>NMR Spectrum</b>	In accordance with the structure	Complies
<b>Specific rotation <math>[\alpha]_D^{20}</math></b>	-16.0°±2°(C=1 in EtOH)	-14.6° (C=1 in EtOH)
<b>Clarity of Solution</b>	0.3 gram in 2ml DMF clear solution	Complies
<b>Melting Point</b>	65°C~75°C	68.2°C~68.7°C
<b>Water Content(K.F.)</b>	≤1.0%	0.47%
<b>Purity(HPLC)</b>	≥98.0%	98.77%
<b>Conclusion</b>	Comply with the specification.	
<b>Storage</b>	Preserve in tight containers, protected from strong light and high heat.	

Analyst:

Reviewed by:

Approved by: