

## CERTIFICATE OF ANALYSIS

Name of Product: N-Boc-trans-4-Hydroxy-L-proline methyl ester	
Batch No.: 20171005	CAS:74844-91-0
Quantity: 500kg	Manufacture date: 2017.10.05
Test date: 2017.10.05	Retest date: 2019.10.04

Test Items	Quality Standard	Test Result
Appearance	White or off white solid	Conforms
Assay	$\geq 98.0\%$	99.8%
Specific rotation( $\alpha$ ) <sub>D20</sub> (c=1 in CHCl <sub>3</sub> )	-63.0 ° to -67.0°	-64.9°
Water content	$\leq 0.5\%$	0.35%
Melting point	92~96°C	94.8°C
Storage conditions	Cool and dry, no more than 26°C	

**Conclusion: This product conforms to the Enterprise Standard.**

Analyst:

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Checker:

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Supervisor:

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