



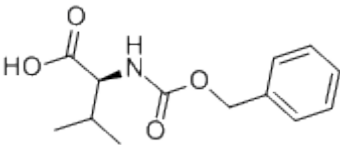
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: **DYC031603231**

Product name	L-CBZ Valine
CAS Number	1149-26-4
Molecule Structure	
Molecule Formula	C <sub>13</sub> H <sub>17</sub> N <sub>04</sub>
Batch number	2015-08-10
Manuf. Date	2015-08-10
Testing date	2015-08-10

Items	Standard	Result
Appearance	White powder	Complies
Assay	98.0%min	99.29%
Specific rotation	-4.2 o±1.3o (C=2 in AcOH)	-4.13o (C=2 in AcOH)
Clarity of solution	0.3 gram in 2ml DMF clear solution	Complies
melting point	56-67°C	59.9-63.0°C
Water content	1.0% max	0.21%
Conclusion: Conforms		

QUALITY CONTROL:  
Hangzhou Dingyan Chem Co., Ltd.  
Quality Control ..... *Shawn* .....  
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风

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