



Hangzhou Mobel Biotechnology Co.,Ltd

Address: 25 No.Bio-chemicals Technical Zoon,Yuhang District, Hangzhou city,Zhejiang P.R China

CERTIFICATION OF ANALYSIS	
BPC 157 Powder (Synthetic)	CAS: 137525-51-0
Product No.:800017	Batch No.: 18070015
Date of Mfg: Aug 09, 2018	Date of Exp: Aug 08, 2020
Sequence: Gly-Glu-Pro-Pro-Pro-Gly-Lys-Pro-Ala-Asp-Asp-Ala-Gly-Leu-Val	

Test	Specification	Result																																
Appearance	White powder	conforms																																
Solubility	Soluble in H ₂ O	conforms																																
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	conforms																																
Amino acid analysis	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Val</td><td>0.9-1.1</td></tr> <tr><td>Leu</td><td>0.9-1.1</td></tr> <tr><td>Gly</td><td>2.7-3.3</td></tr> <tr><td>Ala</td><td>1.8-2.2</td></tr> <tr><td>Asp</td><td>1.8-2.2</td></tr> <tr><td>Pro</td><td>3.6-4.4</td></tr> <tr><td>Lys</td><td>0.9-1.1</td></tr> <tr><td>Glu</td><td>0.9-1.1</td></tr> </table> <p>No more than the traces of the other amino acids are present.</p>	Val	0.9-1.1	Leu	0.9-1.1	Gly	2.7-3.3	Ala	1.8-2.2	Asp	1.8-2.2	Pro	3.6-4.4	Lys	0.9-1.1	Glu	0.9-1.1	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Val</td><td>1.0</td></tr> <tr><td>Leu</td><td>0.9</td></tr> <tr><td>Gly</td><td>2.9</td></tr> <tr><td>Ala</td><td>2.1</td></tr> <tr><td>Asp</td><td>1.9</td></tr> <tr><td>Pro</td><td>3.8</td></tr> <tr><td>Lys</td><td>1.0</td></tr> <tr><td>Glu</td><td>1.0</td></tr> </table> <p>No more than the traces of the other amino acids are present.</p>	Val	1.0	Leu	0.9	Gly	2.9	Ala	2.1	Asp	1.9	Pro	3.8	Lys	1.0	Glu	1.0
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Glu	1.0																																	
Mass spectrum	1419.6±1.0	1419.8																																
Purity(HPLC)	NLT 98.0%	99.1%																																
Acetic acid	NMT 9.0%	1.2%																																

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Test	Specification	Result
Water	NMT 7.0%	4.3 %
Peptide Content(N%)	NLT80%	93.9%
Residual solvent Methanol Acetonitrile Triethylamine	NMT 3000ppm NMT 410 ppm NMT 320 ppm	conforms

QA manager:

樊威

Re-tester:

何龙

Analyst :

孙刚正

Storage: In an air tight container, protected from light at temperature Below -15°C.

Conclusion: the product complies with specification.

It is only supplied as chemical product.