



Talun Eco-Products Inc.

www.talunecoproducts.com

### CERTIFICATE OF ANALYSIS

**PRODUCT:** Enzymolysis Amino acid 80% -AA80

**BATCH NO:** 150418

**PRODUCTION DATE:** April 18th, 2015

**REPORT DATE:** April 20th, 2015

**EXPIRY DATE:** April 17th, 2016

**BATCH QUANTITY:** 100mt

**SAMPLE QUANTITY :** 500gm

<b>Items</b>	<b>Specification</b>	<b>Results</b>
Appearance	yellow light	yellow light
Solubility	whole melting	whole melting
Total nitrogen	≥13.5%	14.3%
Amino acid nitrogen	≥13%	13.8%
(NH <sub>4</sub> <sup>+</sup> , NH <sub>3</sub> ) N <sup>+</sup>	0	0
(NH <sub>4</sub> <sup>+</sup> , NH <sub>3</sub> ) N <sup>+</sup>	0	0
UREA	0	0
Moisture	≤5%	4.9%
Ash	≤5%	3.2%
PH	5.0-6.5	5.2
<b>Molecular weight range (%)</b>	<b>Standard value</b>	<b>Result</b>
≥3000	≤5%	3.8%
1000~3000	5~10%	7.5%
500~1000	20~25%	21.5%
180~500	55~65%	58.7%
≤180	5~10%	8.5%

<b>AMINO ACIDS TEST</b>	
<b>Item</b>	<b>Results</b>
Aspartate	5.71%
Threonine	2.84%
Serine	3.32%
Glutamic acid	11.12%
Gly	12.61%
Alanine	9.35%
Cystine	2.54%
Valine	2.65%
Methionine	1.27%
Isoleucine	2.63%
Leucine	3.22%
Tyrosine	1.25%
Phenylalanine	2.22%
Lysine	3.31%
Histidine	0.97%
Arginine	6.54%
Proline	9.19%
Tryptophan	0.14%
Amino acid	80.88%
Free amino acid	62.5%
carbohydrate	8.2%
Salmonella	Without
other bacteria	Without
Arsenic	<3mg/kg
Lead	<5mg/kg

**STORAGE :** STORE IN COOL AND DRY AREA, KEEP AWAY FROM DIRECT LIGHT .