

CERTIFICATE OF ANALYSIS

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| Product Name: | BCAA | Report Date: | Aug 04, 2017 |
| Ingredients: | Leucine:Isoleucine:Valine(2:1:1) | Batch No.: | 170802 |
| CAS No.: | / | Manu. Date: | Aug 02, 2017 |
| Inspection Standard: | In-house standard | Exp. Date: | Aug 01, 2019 |

RESULTS OF ANALYSIS

| Test Items | Specifications | Results |
|-------------------------------|--|----------|
| Appearance | White powder | Conforms |
| Leucine Content(HPLC) | 45.0~55.0% | 46% |
| Isoleucine Content(HPLC) | 22.5~27.5% | 23.2% |
| Valine Content(HPLC) | 22.5~27.5% | 23.5% |
| Heavy metals(Pb) | Not more than 10ppm | <10ppm |
| Lead | Not more than 3ppm | <3ppm |
| Arsenic | Not more than 1ppm | <1ppm |
| Cadmium | Not more than 1ppm | <1ppm |
| Mercury | Not more than 0.1ppm | <0.1ppm |
| Loss on drying | Not more than 0.50% | 0.08% |
| Residue on ignition(sulfated) | Not more than 0.50% | 0.12% |
| Particle Size Range | ≥80% through 80 mesh | Conforms |
| Conclusion: | Conforms to the specifications of In-house standard. | |

Analyst: **侯健之**Auditor: **辽薛兰**Chief of QC: **于铁梅**