

Certificate of Analysis

Date of Testing: 2025-07-16 10:34:10

Date of Next Testing: 2029-07-15 10:34:10

Product Name: **Phenylthiohydantoin-isoleucine (contains PTH-alloisoleucine)**

CAS Number: 5066-94-4

Specifications & Purity: $\geq 97\%$

Lot #: J2116164

SKU #: **P160267**

Version: **1**

Analysis #: **541092**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.99000 %
Melting point	178-182 (°C)	178.20800 °C
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in EtOH})}$	21.5-26 (°)	25.98 °
Appearance (P160267)	White to Almost white to Light Yellow powder to crystal	White to Almost white to Light Yellow powder to crystal
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager