

# Luxembourg Bio Technologies Ltd.

## Specification

**Product:** Fmoc-L-Leucine

**CAS-No.:** 35661-60-0

Test Name	Specification	Method
Appearance	White or off-white crystalline powder	Visual inspection
Identification by FTIR	Conforms to that of reference spectra	LAW-78-193-10
Purity (HPLC)	98.5% Min.	LAW-78-276-01
Assay by titration	98.0% Min.	LAW-78-276-09
Melting Range (°C)	152-158 °C	LAW-78-276-07
Enantiomeric purity	0.5% Max. of the D-isomer	LAW-78-276-03
Purity by TLC	No other major spots visible by UV and ninhydrin	LAW-78-276-05
Free Amino acid	0.1% Max.	LAW-78-276-05
Optical Rotation(C=1,DMF)	$[\alpha]_{D20^{\circ}C} = -23.0^{\circ} \sim -27.0^{\circ}$	LAW-78-276-13
Water (KF)	1.0% Max.	LAW-78-KF-01

LUXEMBOURG BIO TECHNOLOGIES LTD.



Dr. Shamis Marina

Authorized Signature