

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	37059
<b>Lot Number</b>	000129-180447
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-L-2,3-diaminopropionic acid</b> Fmoc-L-Dap-OH•HCl
<b>CAS Number</b>	212688-53-4
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	362.84

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<b>Appearance</b>	Off-white crystalline powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -22.5 ° (C=1 in MeOH)
<b>Assay by titration</b>	95.1%
<b>Chiral HPLC</b>	> 99.9 (ee)
<b>D-Enantiomer</b>	< 0.1%
<b>Purity by HPLC</b>	98.6%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 2 - 8 °C

**Remarks** See material safety data sheet for additional information  
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager