

## Analytical Data Sheet

Lot number **1066999**  
not for drug use

Catalog number **I-1775.0050**  
Product number **4017738.0050**  
Product **H- Asp- AMC**  
Molecular formula **C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>**  
Relative molecular mass **290.28**

Tests	Results								
Appearance	pale beige powder								
Appearance of solution	clear, colorless solution (10 mg/ml in AcOH 50 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 57.93 %</td><td>C = 58.01 %</td></tr><tr><td>H = 4.86 %</td><td>H = 5.02 %</td></tr><tr><td>N = 9.65 %</td><td>N = 9.43 %</td></tr></tbody></table>	Theory	Found	C = 57.93 %	C = 58.01 %	H = 4.86 %	H = 5.02 %	N = 9.65 %	N = 9.43 %
Theory	Found								
C = 57.93 %	C = 58.01 %								
H = 4.86 %	H = 5.02 %								
N = 9.65 %	N = 9.43 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 98%								
Related impurities (TLC)	< 0.1% AMC								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.9% (Cth 57.93 %, Cfd 58.01 %)								

Latest update: July 22, 2016

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