



Version	01
Molecular weight	229.71
Quality Test / Release Date	09/28/2018
Molecular Formula	C ₁₁ H ₁₅ N O ₂ · Cl H
CAS No	3182-93-2
Linear Formula	C ₆ H ₅ CH ₂ CH(NH ₂)CO ₂ C ₂ H ₅ .HCl
Flash Point (°C)	

Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	20543	Quality Test / Release Date 09/28/2018
Lot Number	A0401212	
Description	L-Phenylalanine ethyl ester hydrochloride, 99%	
Country of Origin	CHINA	
Declaration of Origin	synthetic	

BSE/TSE comment	
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Chemical Comment	
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Result name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder or needles	Crystalline powder
Infrared spectrum		Authentic	Authentic
Melting point		154°C to 157°C	156°C
Titration with HClO ₄		≥98.5 %	100.7 %
Specific optical rotation		+32.2° to +35.2° (20°C, 589 nm) (c=2, C ₂ H ₅ OH)	+34.8° (20°C, 589 nm) (c=2, C ₂ H ₅ OH)



A handwritten signature in black ink, appearing to read "L. Van den Broek".

L. Van den Broek, QA Manager

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