Certificate of Analysis

Structure:	
NH HN O O O O O O H	
Name	[(2S,5S)-5-benzyl-3,6-dioxopiperazin-2-yl]acetic acid
Synonym(s)	Aspartame Imp A, aspartame diketopiperazine
Epichem Item #	EPL-AA139 Batch 1
CAS#	5262-10-2
Molecular Formula	$C_{13}H_{14}N_2O_4$
Molecular Weight	262.27 g/mol
Purity	96.8% (weight/weight)
	100.0% by HPLC at 220nm (assuming all components detected with the same response factor). No significant impurities detected by ¹ H NMR analysis.
	0.09% water by Karl Fischer method.
	3.1% ash.
Combustion Analysis	Required (%): C:59.5; H:5.4; N:10.7. Found (%): C:57.3; H:5.5; N:10.3.
Appearance	Off-white powder
Melting Point	251.1-254°C
Date of Manufacture	27 June 2013
Storage Requirements	Protect from heat, light and moisture
Special Precautions	This compound is for laboratory use only. Its toxicological properties may not have been fully established. It should be handled only by suitably qualified personnel.