Chem-Impex International, Inc.

Tel: (630) 766-2112 E-mail: sales@chemimpex.com Shipping and Correspondence: 935 Dillon Drive Wood Dale, IL 60191 Fax: (630) 766-2218 Web site: www.chemimpex.com Manufacturing site: 825 Dillon Drive Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number Product Lot Number	32952 Leu-Enkephalin acetate salt 003297-210526-033 H-Tyr-Gly-Gly-Phe-Leu-OH acetate salt Dynorphin A (1-5)
CAS Number	58822-25-6 (net)
Molecular Formula	$C_{28}H_{37}N_5O_7\bullet C_2H_4O_2$
Molecular Weight	615.68
Appearance	White powder
Water Content (Karl Fisher)	5.61%
Residual Solvents	Acetate : 10.70%
Purity by HPLC	99.55%
ESI-MS	Conforms
Storage	Store at \leq -10 °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

kumer.

Bala Kumar Quality Control Manager