



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-204799  
Lot Number: SAMPLE  
Product Name: Melphalan  
CAS Number: 148-82-3  
Molecular Formula:  $C_{13}H_{18}Cl_2N_2O_2$   
Molecular Weight: 305.20

Test	Specification	Result
Appearance	White to almost white powder	Complies
Identification (UV)	Consistent with structure	Complies
Purity	93.0 - 100.5%	98.47%
Residue on Ignition	$\leq 0.3\%$	0.24%
Specific Rotation	$-30^\circ - -36^\circ$	$-32.32^\circ$
Ionizable Chlorine	$\leq 1.0$ ml of 0.1 N silver nitrate per 500 mg sample	0.25 ml
Loss on Drying	$\leq 7.0\%$	4.60%
Organic Volatile Impurities	Consistent with the requirements	Complies
Nitrogen Content	8.90 - 9.45%	8.94%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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