

CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA Tel: (416) 665-9696, Fax: (416) 665-4439 Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

1. Identification								
Catalogue Number:	C3859	53	CAS Number:	28663-68-5				
Product:		ro-2-(phenylhydrazono)acetic hyl Ester	Synonym:	Ethyl (Phenylhydrazono)chloromethylcarboxylate; Ethyl 2-(2-Phenylhydrazono)-2-chloroacetate; Ethyl 2-Chloro-2-(phenylhydrazono)acetate; Ethyl Chloro(phenylhydrazono)acetate; Ethyl Chloroglyoxylate phenylhydrazone; NSC 333417; Oxalyl Chloride Phenylhydrazone Ethyl Ester;				
Structure:		O آ		Molecular Formula:				
				C10H11N2O2CI				
	\sim			Molecular weight:				
		Ċ		226.65				
				Source of Product:				
				N/A				
				Solubility:				
				Chloroform (Slightly), Methanol (Slightly)				
Lot Number:	11-QIU	J-91-1	Purity:	97%				
Shipping Condition:		oduct Is Stable To Be d At Room Temperature	Storage Condition:	-20°C, Inert atmosphere				
2. Warning								
Warning 1:		Warning 2:		Warning 3:				
3. Analytical 1	Informati	on						
Tests:		Specifications:		Results:				
Appearance		Pale Yellow to Light Yellow Solid		Pale Yellow Solid				
NMR		Conforms to Structure		Conforms				
Elemental Analysis		Conforms		%C: 52.45, %H: 4.82, %N: 12.19				
MS		Conforms to Structure		Conforms				
HPLC Purity		Report Result		95.68% (325 nm)				
Additional Information:N/APurity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.								
4. Signatures								

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	6/21/2021	6/19/2025
Muy	Higo-	Chandle Chu		