

Career Henan Chemical Co.

Address: No.967, 15th Floor, Unit 7, Building 1, No.70 of DianChang Road, High-tech Development Zone

Tel: +86 0371-56057376

Web: www.coreychem.com

Certificate of Analysis

CAS: 5025-82-1

Product	N-Acetyl-Thiazolidine -4-carboxylic acid	Test Date	2018.09.19
Batch No.	20180919	Manufacture Date	2018.09.19
Quantity	500kg	Report Date	2018.09.20
Batch Size	1000kg	Retested Date /Expiry Date	2019.09.19
Test Item	Specification	Test Result	
Appearance	White or off-white powder	Conforms	
Specific Rotation $[\alpha]_{20/D}$	$-131^{\circ} \pm 5^{\circ}$ (C=2, H ₂ O)	-132.1°	
Transmittance	$\geq 99.0\%$	99.6%	
Chloride (CL)	$\leq 1.0\%$	$< 1.0\%$	
Iron (Fe)	$\leq 10\text{ppm}$	$< 10\text{ppm}$	
Heavy metal (Pb)	$\leq 10\text{ppm}$	$< 10\text{ppm}$	
Arsenic	$\leq 1\text{ppm}$	$< 1\text{ppm}$	
Melting point	$142^{\circ}\text{C} \sim 149^{\circ}\text{C}$	$145^{\circ}\text{C} \sim 146^{\circ}\text{C}$	
TLC Analysis	$\geq 99.0\%$	$> 99.0\%$	
Assay	$\geq 98.5\%$	99.4%	
Loss on drying	$\leq 0.5\%$	0.09%	
Conclusion	The results conform with manufacturer's standard.		

Analyst: Dr.LIAN

Checked by: LI

