

SINOWAY INDUSTRIAL CO.,LTD.

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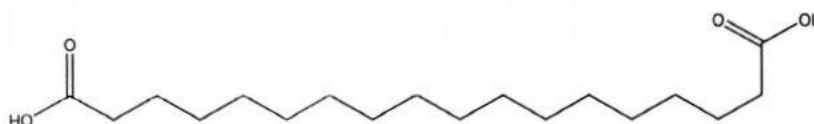
POSTCODE: 361004

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Certificate of Analysis

Structure:



Product Name: Octadecanedioic acid

CAS No:

871-70-5

Manufacturing Date: 01/30/2024

Analysis Date:

06/18/2024

Batch No.: 5500-20240106

Retest Date:

01/29/2025

Batch Size : 202.00kg

Specification :

In house

Storage conditions: Sealed and stored in a cool and dark place.

Serial No	Test Items	Specification	Results
1	Identification	The HNMR spectrum conforms to structure	Conforms
2	Description	Off-white to grey solid	Off-white solid
3	Purity by HPLC	$\geq 98.0\%$	98.7%
	Tetradecanedioic acid	$< 0.1\%$	Not Detected
	Hexadecanedioic acid	$< 0.5\%$	Not Detected
	RRT1.06	$< 2.0\%$	Not Detected
	Maximum unknown single impurity	$< 0.50\%$	0.41%
	Total impurities	$< 6.0\%$	1.3%
4	Melting point	124°C-128°C	125.0°C-127.5°C
5	Water content by KF	$\leq 1.0\%$	0.03%
6	Residue on ignition	$\leq 0.5\%$	0.05%
7	Loss on drying	$\leq 1.0\%$	0.02%
8	PH	4.5~6.5	5.91

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Conclusion: The batch complies with the enterprise standard.