



**FORESCHEM CO, LTD.**

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## CERTIFICATE OF ANALYSIS

**ISSUANCE DATE:** 19-Jul-18

**COMMODITY:** 4-METHYLTHIAZOLE-5-CARBOXALDEHYDE **CAS NO:** 82294-70-0  
**WEIGHT:** 70 KG **QUANTITY:** 70 KG

This is to certify that we, the undersigned, have inspected the above-mentioned goods and found the result of the inspection as below:

ITEMS	SPECIFICATION	RESULTS
BATCH NO.:		18070101
MANUFACTURER DATE:		2018-07-01
EXPIRY DATE:		2019-06-30
BATCH QUANTITY:		70 KG
APPEARANCE:	Pale yellow to white powder	Pale yellow powder
Residue of Ignition:	Not more than 0.10%(w/w)	0.03%
Loss on Drying:	Not more than 0.50%(w/w)	0.18%
Water Content:	Not more than 0.20%(w/w)	0.06%
Chromatographic Purity by GC:		
Individual impurity:	Not more than 0.30%(area)	0.08%
Purity:	Not less than 99.00%(area)	99.79%
Assay by GC:	Not less than 98.00%	99.92%
CONCLUSION: ALL ITEMS LISTED AND TESTED ABOVE ARE CONFORMED TO THE REQUIRED SPECIFICATIONS.		

MANUFACTURER'S NAME: FORESCHEM CO., LTD.

For and on behalf of  
FORESCHEM CO., LTD.

刘静宇

Authorized Signature(s)