



## Unilong Industry Co., Ltd

Add: No.8 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone, Jinan City, Shandong Province, China  
Contact: +86-13356670564 Website: [www.unilongindustry.com](http://www.unilongindustry.com)

### CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Toltrazuril	<b>Batch No.</b>	JL20230908
<b>CAS</b>	69004-03-1	<b>MF Date</b>	Sep.10,2023
<b>Packing</b>	25kg/drum	<b>Analysis Date</b>	Sep.10,2023
<b>Quantity</b>	3Ton	<b>Retest Date</b>	Sep.09,2024
<b>Item</b>	<b>Standard</b>	<b>Result</b>	
<b>Appearance</b>	Should be white or almost white crystalline powder, odorless	Almost white crystalline powder, odorless	
<b>Solubleness</b>	Should dissolved in the ethylacetate or chloroform, sparingly soluble in methanol, insoluble in water	Dissolved in the ethylacetate or chloroform, sparingly soluble in methanol, insoluble in water	
<b>Melting point</b>	193°C-196°C	194°C-195°C	
<b>IR</b>	Should be concordant with the RS spectrum	Concordant with the RS spectrum	
<b>HPLC</b>	The retention time of the main peak of the test solution should be consistent with that of the control solution	Consistent with that of the control solution	
<b>Clarity &amp; color</b>	Should be colorless and clear. If it is turbid, it shall not be more intense than standard turbidity solution No. 1. If the color is developed, it shall not be darker than the standard yellow colorimetric solution No.1.	Colorless and clear	
<b>Fluorides</b>	≥12.0%	12.5%	
<b>Loss on drying</b>	≤0.5%	0.04%	
<b>Residue on ignition</b>	≤0.1%	0.02%	
<b>Heavy metals</b>	≤0.001%	<0.001%	
<b>Assay (Dry)</b>	≥98%	99.6%	

<b>Conclusion</b>	Qualified
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**Analyst:** *Wen Qian*

**Quality Assurance Officer:** *Zhan Peng*

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