



**天原集团**  
TIANYUAN GROUP

# Yibin Tianyuan Haifeng Hetai Co.,Ltd

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## CERTIFICATE OF ANALYSIS

Manufacture Date: July 17, 2022

Expiry Date: July 16, 2024

No.: HT/JLZJ055-A

<b>Product</b>	TiO <sub>2</sub> Pigment	<b>Grade</b>	TYR-588	<b>Quantity (ton)</b>	12
<b>Standard</b>	GB/T1706-2006	<b>Batch No.</b>	220717334	<b>Packing Spec.</b>	25kg/bag
<b>Item</b>	<b>Standard Value</b>			<b>Test Result</b>	
<b>TiO<sub>2</sub> (wt%)</b>	≥ 93.0			95.2	
<b>Rutile Ratio (%)</b>	≥ 99.0			99.9	
<b>L*</b>	≥ 98.2			98.2	
<b>b*</b>	1.2 ~ 2.0			1.7	
<b>Aqueous Suspension pH</b>	6.5 ~ 8.5			7.7	
<b>CBU</b>	13 ~ 15			14.6	
<b>Tinting Strength (TCS)</b>	≥ 92			101.0	
<b>Water Extract Resistance (Ω·m)</b>	≥ 100			158	
<b>Oil Absorption (g/100 g)</b>	≤ 20.0			17.2	
<b>105 °C Volatile (%)</b>	≤ 0.5			0.5	
<b>Water Soluble (%)</b>	≤ 0.5			0.5	
<b>45 μm Residue (%)</b>	≤ 0.01			0.01	
<b>Dispersion using a high-speed impeller mill (μm)</b>	≤ 25			20	
<b>Analyst</b>	Zhou Huanmin		<b>Testing Dept.</b>	Quality Inspection Dept.	

