



**DCC**  
colourants

Dynasty Colourants Co., Ltd.

## TECHNICAL DATA SHEET

<b>Product name:</b>	<b>TITANIUM DIOXIDE R-2296</b>
<b>CAS NO.:</b>	13463-67-7
<b>C.I.:</b>	C.I. PIGMENT WHITE 6
<b>EINECS:</b>	215-280-1
<b>Chemical formula:</b>	TiO <sub>2</sub>
<b>Characters:</b>	<ul style="list-style-type: none"><li>● Good whiteness, excellent tint reducing power and opacity</li><li>● Good dispersion both in aqueous and oil systems</li><li>● High durability</li><li>● Make the white color product have heat and light resistance</li></ul>
<b>Process:</b>	Rutile paint produced by sulfate process
<b>Surface treatment:</b>	Treat with zirconium, aluminum, special organic substance covering
<b>Standard classification(ISO 591-1):</b>	R2
<b>CIE L *</b>	97.5-99.9
<b>TiO<sub>2</sub> content (ISO 591-1):</b>	≥94.00%
<b>Inorganic coating:</b>	Al <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub>
<b>Residue on sieve(45um)(ISO787-18):</b>	≤0.03%
<b>Tint reducing power:</b>	≥1800TCS
<b>Crystal size:</b>	0.25um
<b>Specific resistance:</b>	≥80Ω.m
<b>PH Value:</b>	6.5-8.5
<b>Specific gravity:</b>	4.0-4.2g/cm <sup>3</sup>
<b>Rutile content:</b>	≥95.0%
<b>Durability:</b>	Moderate
<b>Oil Absorption volume(ISO787-5):</b>	≤20g/100g
<b>Organic treatment:</b>	Present
<b>Dispersibility(Hegeman index)</b>	≥5.00
<b>Performance and features:</b>	Decorative paints(both interior and exterior), powder coatings, coil coating, plastic, inks, general industrial coating, paper, rubber and leather industries.