

# DCC YELLOW 7183

Red Shade Yellow Monoazo Pigment



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

### DESCRIPTION

DCC Yellow 7183 is a red shade yellow pigment approved for use in food packaging materials. It is also suitable for plastics applications where very good heat stability and weatherfastness are required.

<b>Chemical Type/Common Name</b>	Organic / Monoazo
<b>Colour Index: Generic Name</b>	Pigment Yellow 183
<b>Colour Index: Constitution No.</b>	18792
<b>CAS Registry No.</b>	65212-77-3
<b>Chemical Name</b>	4,5-Dichloro-2-((5-hydroxy-3-methyl-1-(3-sulfophenyl)-1H-pyrazol-4-yl)azo)benzenesulfonic acid, calcium salt(1:1)

### SPECIFICATIONS

<b>Tint Shade</b>	Max. Delta E* 1.5 of Standard (DCC TM 4205A)
<b>Tint Strength (apparent)</b>	± 5% of Standard (DCC TM 4205A)
<b>Filter Pressure Value</b>	± 10 Bar of Standard (DCC TM 4236)

Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included.

**Note:** Test Methods available from DCC on request.

### PHYSICAL PROPERTIES

<b>Specific Gravity</b>	1.44 g/cc (DCC TM 3101B)
<b>Oil Absorption</b>	49 (ASTM D-281-84- Fasig Method)
<b>Moisture</b>	<2% max. (ASTM D-280-81)
<b>% Halogen Content</b>	% Cl = 12.98

### PROPERTIES

<b>MEK</b>	Very Good	<b>Linseed oil</b>	Excellent
<b>Wax (Paraffin)</b>	Excellent	<b>Mineral Spirits</b>	Excellent
<b>Water</b>	Good	<b>Xylene</b>	Very Good
<b>Dilute Acid</b>	Excellent	<b>Dilute Alkali</b>	Excellent
<b>Heat Stability:</b>	Heat Stable to 320°C+ (608°F+), 5-minute dwell time, 0.2% pigmented H.D.P.E. (1:10 TiO <sub>2</sub> tint)		
<b>Warp Resistance:</b>	1 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)		
<b>Weatherfastness Full Strength (Florida)</b>	Good	<b>Weatherfastness TiO<sub>2</sub> Tint (1:10) (Florida)</b>	Poor

### RECOMMENDED APPLICATIONS

<b>Fibres – Polypropylene</b>	•	<b>Injection Molding</b>	•
<b>Film</b>	•	<b>PVC Wire and Cable</b>	•
<b>Blow molding</b>	•	<b>Engineering Resins</b>	• (ABS)
• Frequently used	■ Limited Use	○ Not Normally Used	

### COMPLIANCE

<b>USA:</b> FDA	<b>USA:</b> ASTM-Toys	<b>EU APME:</b> AP(89)1	<b>European Toy Norm:</b> 71-3-1994	<b>EU RoHS</b>	<b>Germany:</b> BfR	<b>CONEG</b>	<b>French Positive List</b>
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### WORLDWIDE INVENTORIES REGISTRATION STATUS

<b>Australia (AICS)</b>	Registered	<b>Canada (DSL)</b>	Registered	<b>China</b>	Registered
<b>Europe (EINECS)</b>	Registered	<b>Japan</b>	Registered	<b>Philippines</b>	Registered
<b>USA (TSCA)</b>	Registered	<b>New Zealand</b>	Registered	<b>South Korea</b>	Registered

### TECHNICAL SERVICE LAB APPROVAL

### QUALITY CONTROL LAB APPROVAL

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