DCC YELLOW 2094

Green Shade Yellow Inorganic Bismuth Vanadate Pigment

Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC Yellow 2094 is a bright green shade yellow pigment with the highest colour strength versus traditional grades with very good durability properties. DCC Yellow 2094 is used primarily in industrial and decorative paint applications.

Chemical Type/Common Name	Inorganic / Bismuth Vanadate
Colour Index: Generic Name	Pigment Yellow 184
Colour Index: Constitution No.	771740
CAS Registry No.	14059-33-7
Chemical Name	Bismuth Vanadium Oxide

GENERAL SPECIFICATIONS	
Volatile Content (X005)	Max. 1.0%
Conductivity (X017)	Max. 500 (µS/cm)
pH (X018)	6.0 – 8.5
Masstone Shade (L003)	Max. DE* 1.4, DL* ±0.7, DC* ±1.0, DH*±0.8
Tint (L003)	Strength 100 ± 5%, Max. DE* 1.2, DL* ±0.7, DC* ±0.8, DH* ±0.7
Tint after adjusted strength (L003)	Max. DE* 1.1, DL* ±0.5, DC* ±0.7, DH* ±0.7

PHYSICAL PROPERTIES	
Specific gravity	6.1g/cm^3
Oil absorption	27 g/100g
Bulk density	0.7 kg/L
Bulk volume	1.4 L/kg
Specific surface area	9.0 m^2/g

PROPERTIES					
Ethyl acetate	Excellent		**Soap**	Excellent	
MEK	Excellent		**Ethyl alcohol**	Excellent	
Wax (Paraffin)	Excellent		**Mineral spirits**	Excellent	
Water	Excellent		**Xylene**	Excellent	
Dilute acid (0.5N)	Very Good - Excellent		**Dilute alkali (2.5%)**	Excellent	
Over-paint bleed resistance (120°C/30 minutes) - Excellent					
Heat Resistance: 120°C/60 minutes – Excellent 150°C/10 minutes – Excellent 200°C/10 minutes – Excellent					
Weather fastness*) Full Shade	4-5	**Weather fastness*) Tint 1:1 TiO2**	5	**Weather fastness*) Tint 1:10 TiO2**	5
Light fastness Full Shade	Excellent	**Light fastness Tint 1:1 TiO2**	Excellent	**Light fastness Tint 1:10 TiO2**	Excellent

*) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

RECOMMENDED APPLICATIONS FOR COATINGS			
Architectural Water & Universal	●	**Coil Coatings**	■
Architectural Solvent	●	**Automotive Coatings**	●
Industrial Fast Air Drying	●	**Powder Coatings**	●
Industrial Oven Cured	●		

● Recommended ■ Limited Use ○ Not Recommended

"Limited Use" for Coil because heat stability may be borderline

WORLDWIDE INVENTORIES REGISTRATION STATUS					
Australia (AICS)	Registered	**Canada (DSL)**	Registered	**China (IECSC)**	Registered
Europe (EINECS)	Registered	**Japan (ENCS)**	Registered	**Philippines (PICCS)**	Registered
USA (TSCA)	Registered	**New Zealand (NZIoC)**	Registered	**South Korea (KECI)**	Registered

TECHNICAL SERVICE LAB APPROVAL			
QUALITY CONTROL LAB APPROVAL			
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The information provided is based on extensive use and laboratory testing and is believed to be a reliable indication of the results that may be expected. The data is offered only as a guide to performance, without guarantee or warranty of any kind. Since many variables have a strong influence on pigment performance the user is encouraged to evaluate each product in their own laboratory.