

# ECF COMPOSITES LTD

## TECHNICAL DATA SHEET

Product name :	Photochromic Pigment
Product code :	PHOTOPIG
INCI Name :	Potassium Nitrate-Silica-Sodium Nitrate-Azobenzene ( Butyl Methoxydibenzoylmethane )
CAS No. :	7757.79.1-7631.86.9-7631.99.4-70356.09.1
Date :	05.11.2021

CHARACTERISTICS		RANGE	
<b>Physical properties</b>			
Characteristics		Coloured	
Average particle size		1-10 m	
<b>Chemical composition</b>			
Potassium Nitrate		50.0-55.0 %	
Silica		18.0-23.0 %	
Sodium Nitrate		10.0-15.0 %	
Azobenzene ( Butyl Methoxydibenzoylmethane )		7.0-22.0 %	
<b>Heavy metals</b>			
As	< 2 ppm	Hg	< 1 ppm
Ba	< 50 ppm	Ni	< 10 ppm
Cd	< 3 ppm	Pb	< 5 ppm
Cr	< 20 ppm	Sb	< 1 ppm
Cu	< 50 ppm	Zn	< 50 ppm
<b>Microbial purity</b>			
Total viable Aerobic count		< 100	
E. Coli		Absent in 1 g	
Pseudomonas aeruginosa		Absent in 1 g	
Staphylococcus aureus		Absent in 1 g	
Salmonella species		Absent in 1 g	
Candida albicans		Absent in 1 g	