

Product Data Sheet

Lucolor® red, yellow, green and blue

Lucolor®Red

1. Product description

Color	red pigment
Chemical characterization	synthetic-ferric oxide α -Fe ₂ O ₃
Color Index	Pigment red 101 (77491)
CAS-Nr.	001309-37-1

2. Specification

Color value and shade against standard			
ΔE_{ab}			≤ 1,0
Color Shade	%	95 - 105	
Water-soluble content	%	≤ 0,3	
Sieve retention (0,045 m)	%	≤ 0,3	
pH-value		3 - 7	
Content Fe ₂ O ₃	%	≥ 96	
Volatile components (105°C)	%	≤ 1,0	
Particle shape		spherical	
Oil	ml/100 g	15 - 25	
Tamped density	g/ml	0,7 - 1,1	

The verification methods are based on ISO 1248 and ISO 787.

3. Packaging

25 kg bags, powder

4. Transport and Storage

Keep off weather influences. Store dry, avoid extreme temperature fluctuations.

Specific conditions for opened packaging
To avoid moisture absorption and contamination – close packaging after usage.

5. Safety information

This product is not declared as hazardous and is not obligatory to be signed as hazardous.

It is not considered as a dangerous good.

Lucolor®Yellow

1. Product description

Color	yellow pigment
Chemical characterization	synthetic-ferric oxide α -FeOOH
Color Index	Pigment yellow 101 (77492)
CAS-Nr.	051274-00-1

2. Specification

Color value and shade against standard			
ΔE_{ab}			≤ 1,0
Color Shade	%	95 - 105	
Water-soluble content	%	≤ 0,3	
Sieve retention (0,045 m)	%	≤ 0,3	
pH-value		3 - 7	
Content Fe ₂ O ₃	%	≥ 86	
Volatile components (105°C)	%	≤ 1,0	
Particle shape		needle-like	
Oil	ml/100 g	25 - 35	
Tamped density	g/ml	0,4 - 0,6	

The verification methods are based on ISO 1248 and ISO 787.

3. Packaging

25 kg bags, powder

4. Transport and Storage

Keep off weather influences. Store dry, avoid extreme temperature fluctuations.

Specific conditions for opened packaging
To avoid moisture absorption and contamination – close packaging after usage.

5. Safety information

This product is not declared as hazardous and is not obligatory to be signed as hazardous.

It is not considered as a dangerous good.

Product Data Sheet

Lucolor® red, yellow, green and blue

Lucolor®Green

1. Product description

Color	green pigment
Chemical characterization	synthetic-chromium (III) oxide
Color Index	Green 17
CAS-Nr.	001308-38-9

2. Specification

Color value and shade against standard

ΔE_{ab}		$\leq 1,0$
Color Shade	%	95 - 105
Water-soluble content	%	$\leq 0,5$
Sieve retention (0,045 m)	%	$\leq 0,05$
pH-value		5 - 8
Content Fe ₂ O ₃	%	≥ 98
Volatile components (105°C)	%	$\leq 0,3$
Particle shape		spherical
Oil	ml/100 g	< 15
Tamped density	g/ml	1,0 – 1,3

The verification methods are based on ISO 1248 and ISO 787.

3. Packaging

25 kg bags, powder

4. Transport and Storage

Keep off weather influences. Store dry, avoid extreme temperature fluctuations.

Specific conditions for opened packaging

To avoid moisture absorption and contamination – close packaging after usage.

5. Safety information

This product is not declared as hazardous and is not obligatory to be signed as hazardous.

It is not considered as a dangerous good.

Lucolor®blue

1. Product description

Color	cobalt blue pigment
Chemical characterization	Co-Al
Color Index	Pigment blue 28 (77346)
CAS-Nr.	001345-16-0

2. Specification

Color value and shade against standard

ΔE_{ab}		-
Color Shade	%	-
Water-soluble content	%	$\leq 0,2$
Sieve retention (0,045 m)	%	$\leq 0,3$
pH-value		8 - 10
Content Fe ₂ O ₃	%	-
Volatile components (105°C)	%	-
Particle shape		-
Oil	ml/100 g	25 - 35
Tamped density	g/ml	0,8 – 1,2

The verification methods are based on ISO 1248 and ISO 787.

3. Packaging

25 kg bags, spinel

4. Transport and Storage

Keep off weather influences. Store dry, avoid extreme temperature fluctuations.

Specific conditions for opened packaging

To avoid moisture absorption and contamination – close packaging after usage.

5. Safety information

This product is not declared as hazardous and is not obligatory to be signed as hazardous.

It is not considered as a dangerous good.

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