

COATINGS

Pigments, Additives
& Dispersion



vivify

COLOR
INGREDIENTS
INNOVATION



heritage
color
A VIVIFY COMPANY



REITECH
CORPORATION

COLORING TOMORROW

ABOUT VIVIFY

Vivify is at the forefront of color solutions in today's ever changing industry. Vivify has more than 40 years of expertise in pigments and dyes and is diversified into 6 specific product lines. We export to more than 50 countries globally. With products manufactured in the US, India and China, along with integrated coatings, plastic, inks, agriculture and textile laboratories, Vivify is a vertically integrated manufacturer of specialty chemicals for colorant applications. We specialize in organic pigments, dyes, liquid colorants, slip additives, and specialty resins.

Vivify's vertical integration, product specificity and in-depth knowledge of the industries we serve, allow us to be one of the most innovative and forward-looking companies around. We are constantly challenging ourselves to think "outside the box" in order to develop and provide our products in new, more efficient and environmentally friendly ways that benefit our customers. That's the Vivify advantage.

OUR MISSION

We believe in social responsibility, innovation, transparency, attentiveness, reliability and partnerships. With our reputation for excellence in these beliefs, we will inspire you to challenge what you should expect from a supplier.

QUALITY POLICY

Our US laboratories evaluate each batch with standardized test methods that follow customer specific applications to ensure consistency that meets your quality, safety and environmental requirements.



ORGANIC PIGMENTS LIST

Pigments for solvent-based, energy-curable
and aqueous Coatings.

Visit our website for more Product Information and TDS's.
www.vivifycompany.com

Color Index	Product Trade Name	Pigment Profile
Pigment Violet 23	Akafast Violet RLI(non-USA)	Red shade violet, high tint strength, excellent overall fastness and flow
Pigment Violet 23	Akafast Violet BLNC(non-USA)	Blue shade violet, high tint strength, excellent overall fastness and flow. Designed for solvent systems
Pigment Blue 15:0	Akahue Blue B	Red shade Cu-Phthalo blue with excellent light and weather fastness
Pigment Blue 15:1	Akahue Blue BAK	α -modification Cu-Phthalo blue with excellent fastness properties
Pigment Blue 15:2	Akahue Blue BB	α -modification Cu-Phthalo blue stabilized against flocculation
Pigment Blue 15:3	Akahue Phthalo Blue	Clean green shade β -modification Cu-Phthalo blue with excellent light and weather fastness
Pigment Blue 15:4	Akahue Blue BD	β -modification Cu-Phthalo blue, clean green shade & good flow properties
Pigment Red 3	Akahue Red B	Blue shade red with excellent opacity and masstone lightfastness
Pigment Red 101	Akafe Red 130	An inorganic iron oxide red with excellent opacity and overall fastness
Pigment Red 112	Akahue Red FGR	Bright medium shade red with high tint strength and good lightfastness
Pigment Red 122	Akafast Pink E	Very clean yellow shade red, high color strength, excellent overall fastness
Pigment Red 123	Akafast Perylene Red A	Medium shade, transparent red with very good lightfastness
Pigment Red 146	Akafast Carmine FBB L	Blue shade red with good tint strength and very good solvent resistance
Pigment Red 149	Akafast Perylene Red B	Yellow shade perylene red with excellent light stability
Pigment Red 170	Akahue Red F3RK	Yellow shade Naphthol AS, semi-opaque red with good overall fastness properties
Pigment Red 170	Akahue Red F5RK	Bluer shade Naphthol AS, semi-opaque red with good overall fastness properties
Pigment Red 176	Akafast Carmine HF3C	Blue shade red with good lightfastness and tint strength
Pigment Red 177	Akafast Red A3B	Bright, clean, yellow semi-opaque red with good lightfastness in full shades
Pigment Red 185	Akafast Red HF4C	Very clean blue shade red with high color strength and good lightfastness
Pigment Red 188	Akafast Red HF3S	Intense yellowish red with very good fastness properties
Pigment Red 254	Akafast Red DPP 2030	Medium red in full shades with good hiding power, excellent overall fastness

Color Index	Application Profile					Physical Properties			Fastness Properties					
	Automotive	Architectural	Industrial	Coil	Powder	Density g/cm ³	pH	Oil Absorption	Heat Stability Mass % ^o C	Light Stability Mass	Acid	Alkali	MEK	Xylene
Pigment Violet 23	X	X	X	X	X	1.49	6 - 8	50-60	200	7 - 8	5	5	4	4
Pigment Violet 23	X	X	X	X	X	1.49	6 - 8	50-60	200	7 - 8	5	5	4	4
Pigment Blue 15:0	X	X	X	X	X	1.60	6 - 8	35-45	200	8	5	5	5	4
Pigment Blue 15:1	X	X	X	X	X	1.60	6 - 8	35-45	200	8	5	5	5	5
Pigment Blue 15:2		X	X	X	X	1.60	6 - 8	35-45	180	7	5	5	5	5
Pigment Blue 15:3	O	X	X	X	O	1.60	6 - 8	35-45	200	7	5	5	5	5
Pigment Blue 15:4	X	X	X	O	X	1.60	5 - 7	35-45	200	7	5	5	5	5
Pigment Red 3		X	X	O		1.50	7 - 8	40-50	150	7	3	3	2 - 3	3
Pigment Red 101	X		X	X	X	4.90	6 - 8	15-35	300	8	5	5	5	5
Pigment Red 112		X	O			1.30	6 - 8	35-45	190	8	5	5	4	2 - 3
Pigment Red 122	X	X	X	X	X	1.45	6 - 8	35-45	250	8	5	5	5	4
Pigment Red 123		X	O	O		1.48	5 - 7	50	160	7	5	5	4	4
Pigment Red 146		X	X			1.41	6 - 8	40-55	160	6	5	5	3 - 4	3
Pigment Red 149			X	X	X	1.43	6 - 8	50-60	220	6 - 7	5	5	5	5
Pigment Red 170			X	X	X	1.50	6 - 8	35-45	160	8	5	5	4	5
Pigment Red 170			X	X	X	1.50	6 - 8	35-45	180	7	5	5	4	5
Pigment Red 176			X	X		1.50	5 - 7	40-50	260	7	5	5	3 - 4	5
Pigment Red 177	X		X	X		1.45	6 - 8	50-65	200	7 - 8	5	5	4 - 5	4 - 5
Pigment Red 185			X	X		1.55	6 - 8	40-50	260	7 - 8	5	5	4	4
Pigment Red 188	X	X	X	X	O	1.47	5 - 7	70-80	200	7	5	5	4	4 - 5
Pigment Red 254	X	X	X	X	X	1.62	5 - 7	45-55	300	8	5	5	5	5

O - Partially Recommended
X - Recommended

ORGANIC PIGMENTS LIST

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Color Index	Product Trade Name	Pigment Profile
Pigment Green 7	Akahue Phthalo Green	Clean yellow shade Cu-Phthalo green with excellent overall properties
Pigment Green 7	Akahue Phthalo Green AC	Clean yellow shade Cu-Phthalo green with excellent overall properties
Pigment Orange 5	Akahue Orange GGI	Semi-opaque orange, clean yellow shade, good flow properties
Pigment Orange 34	Akahue Orange RL	Opaque, yellow shade orange, good tinctorial strength & overall fastness properties
Pigment Orange 36	Akafast Orange HL	Red shade orange with good hiding power and excellent overall fastness
Pigment Orange 43	Akafast Orange GR	Red shade orange with good tinctorial strength.
Pigment Orange 64	Akafast Orange GPN	Red shade orange with excellent heat stability and light/weather fastness
Pigment Orange 73	Akafast Orange HP	Semi-opaque, clean medium orange shade with excellent lightfastness
Pigment Yellow 1	Akahue Yellow G	Green shade yellow with good hiding power, color strength and flow properties
Pigment Yellow 3	Akafast Yellow 10G	A very green shade yellow with good lightfastness and flow properties
Pigment Yellow 65	Akahue Yellow YH	A reddish shade yellow with excellent hiding power and good overall fastness
Pigment Yellow 74	Akahue Yellow 2GX	Green shade Hansa yellow, good strength & overall fastness
Pigment Yellow 74	Akahue Yellow 2GXI	Green shade, semi-opaque yellow with good overall fastness & flow properties
Pigment Yellow 83	Akafast Yellow HR	Red shade semi-opaque yellow, high tint strength and good overall fastness
Pigment Yellow 97	Akafast Yellow FGL	Green shade opaque yellow with excellent flow and lightfastness
Pigment Yellow 138	Akafast Yellow 2RLIX	Green shade yellow with excellent lightfastness and weatherfastness
Pigment Yellow 139	Akafast Yellow MR	Reddish, semi-opaque yellow with excellent lightfastness and weatherfastness
Pigment Yellow 151	Akafast Yellow H4G	Clean, green shade yellow with good hiding power and flow properties
Pigment Yellow 155	Akafast Yellow 3GP	Clean green shade Yellow with high tint strength and good solvent resistance
Pigment Yellow 194	Akafast Yellow F2G	Medium yellow with good solvent fastness and lightfastness

Color Index	Application Profile					Physical Properties			Fastness Properties					
	Automotive	Architectural	Industrial	Coil	Powder	Density g/cm³	pH	Oil Absorption	Heat Stability Mass °C	Light Stability Mass	Acid	Alkali	MEK	Xylene
Pigment Green 7	X	X	X	X	X	1.66	6 - 8	35-45	200	8	5	5	5	5
Pigment Green 7	X	X	X	X	X	1.66	6 - 8	35-45	200	8	5	5	5	5
Pigment Orange 5		X	X	O		1.52	6 - 8	35-50	280	7	4	4	3	3
Pigment Orange 34		O	X	X	X	1.39	6 - 7	40-50	180	6 - 7	4	5	3	5
Pigment Orange 36	X	X	X	X	X	1.40	6 - 7	40-50	230	8	5	5	5	5
Pigment Orange 43	X	X	X	X	X	1.66	6 - 8	40-50	190	5 - 6	5	5	3	4 - 5
Pigment Orange 64		O	X	X	X	1.60	5.5-7.5	45-65	200	7	5	5	5	5
Pigment Orange 73	X	X	X	X	X	1.20	5 - 8	45-55	200	8	5	5	2 - 3	3
Pigment Yellow 1		X	X	X		1.80	7 - 8	45-55	200	7	5	5	3	2 - 3
Pigment Yellow 3		X	O			1.40	6 - 8	25-45	138	6 - 7	5	4	3	2
Pigment Yellow 65		X	X			1.40	6 - 8	40-50	138	7 - 8	5	5	3	2
Pigment Yellow 74		X	X			1.40	6 - 8	35-45	120	7 - 8	5	5	2	2
Pigment Yellow 74		X	X			1.30	6 - 8	35-65	150	7	4-5	4-5	4	4
Pigment Yellow 83			X			1.40	6 - 8	35-45	200	7	5	5	3 - 4	4
Pigment Yellow 83	X	X	X		X	1.40	5 - 9	60-70	200	7	5	5	3	4
Pigment Yellow 97		X	X	X	X	1.40	6.5 - 8.5	40-50	200	7	5	5	4	4
Pigment Yellow 138			O	X	X	2.00	5.5 - 7.5	30-45	200	7-8	5	5	5	5
Pigment Yellow 139	X		X	X	X	1.80	7 - 8	35-45	240	7	5	5	5	5
Pigment Yellow 151	X	X	X	X	X	1.50	5 - 7	45-55	250	7	4	5	4 - 5	4
Pigment Yellow 155			X			1.60	7 - 8	45-55	200	7	5	5	3	3
Pigment Yellow 194			X		X	1.46	5 - 7	90-100	200	7	5	5	4	3

O - Partially Recommended
X - Recommended



INORGANIC PIGMENTS LIST

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Color Index	Product Trade Name
Pigment Black 26	Akafe Black 26
Pigment Black 28	Akafe Copper Chormite 28
Pigment Blue 28	akafe cobalt aluminate 142
Pigment Blue 29	Akafe cobalt aluminate 138
Pigment Brown 24	Akafe Brown 24
Pigment Green 17	Akafe Chrome Oxide Green
Pigment Red 101	Akafe Red 130
Pigment Red 110	Akafe Red 110
Pigment Red 110	Akafe Red 180N
Pigment Yellow 42	Akafe Yellow 42
Pigment Yellow 53	Akafe yellow 1053
Pigment Yellow 54	Akafe Yellow 1153
Pigment Yellow 119	Akafe Zinc Ferrite Yellow 56
Pigment Yellow 120	Akafe Zinc Ferrite Yellow 39
Pigment Yellow 121	Akafe Zinc Ferrite yellow 29
Pigment Yellow 122	Akafe Zinc Ferrite Yellow 49
Pigment Yellow 164	Akafe Yellow 164
Pigment Yellow 184	Akafast yellow 2GLMA
Ultramarine Blue (PB29)	Akahue UM Blue 07
Ultramarine Blue (PB29)	Akahue UM Blue 30
Ultramarine Blue (PB29)	Akahue UM Blue 31
Ultramarine Blue (PB29)	Akahue UM Blue 51
Ultramarine Blue (PB29)	Akahue UM Blue 63
Ultramarine Blue (PB29)	Akahue UM Blue 76
Ultramarine Blue (PB29)	Akahue UM Blue 81
Ultramarine Violet (PV15)	Akahue UM Violet



KETONIC & PVB RESINS

Visit our website for more Product Information and TDS's.
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The Ketonic Resin product range enhances drying properties, hardness, gloss & adhesion as well as helps increase solid content. Our Resins are used in clear and pigmented wood lacquers, paper coatings, flexo/ gravure inks, and paints and others.

Product Range	
Ketonic Resin HK 100	Ketonic Resin HK 300
Ketonic Resin HK 1000	Ketonic Resin HK 500
Ketonic Resin HK 1000 Lumps	Ketonic Resin KL 2
PVB Resin Tripol B40	

Recommended End Applications:
Protective Coatings
Aerosol Paint
Wood Coatings
Drum Liner Coatings
Nail Lacquers
Can Coatings



- + Great weathering resistance
- + Higher pigment loading
- + Acid and alkali resistant
- + Excellent rheological properties
- + Help improve gloss and transparency

HK-100 | Ketonic Resin

Description of Property	Unit	HK-100
Color (Gardner Scale)	--	1 - 2
Appearance	--	Star Bright Granule
Viscosity (50% in Ethanol)	Ford Cup B4	21 +/-1 Sec/30 °C
Softening Range	Capillary Method	92-102 °C
Hydroxyl Value	--	220-230
Acid Value	MG/KOH/Gms	Max 1

HK-300 | Ketonic Resin

Description of Property	Unit	HK-300
Color (Gardner Scale)	--	1 - 2
Appearance	--	Pale Yellow Lumps
Viscosity (50% in Ethanol)	Ford Cup B4	18 +/-1 Sec/30 °C
Softening Range	Capillary Method	75-85 °C
Hydroxyl Value	--	280-290
Acid Value	MG/KOH/Gms	Max 1

HK-500 | Ketonic Resin

Description of Property	Unit	HK-500
Color (Gardner Scale)	--	1 - 2
Appearance	--	Pale Yellow Lumps
Viscosity (50% in Ethanol)	Ford Cup B4	19 +/-1 Sec/30 °C
Softening Range	Capillary Method	85-95 °C
Hydroxyl Value	--	280-290
Acid Value	MG/KOH/Gms	Max 1

KL 2 | Ketonic Resin

Description of Property	KL 2
Appearance	Star Bright Granules
Viscosity (50% in butyl acetate)	90-120 cps
Melting Range	110-112 °C
Hydroxyl Value	200-230

HK-1000 | Ketonic Resin

Description of Property	Unit	HK-1000
Color (Gardner Scale)	--	1 - 2
Appearance	--	Pearl Shaped Granular
Viscosity (50% in Ethanol)	Ford Cup B4	25 +/-1 Sec/30 °C
Softening Range	Capillary Method	102 – 114 °C
Hydroxyl Value	--	220-240
Acid Value	MG/KOH/Gms	Max 1

HK-1000 Lumps | Ketonic Resin

Description of Property	Unit	HK-1000 Lumps
Color (Gardner Scale)	--	1 - 2
Appearance	--	Star Bright Lumps
Viscosity (50% in Ethanol)	Ford Cup B4	21 +/-1 Sec/30 °C
Softening Range	Capillary Method	102-114 °C
Hydroxyl Value	--	220-230
Acid Value	MG/KOH/Gms	Max 1

Tripol B40 | Polyvinyl Butyral Resin

Description of Property	PVB 40
Appearance	White Fluffy Powder
Polyvinyl Butyral	75-80%
Polyvinyl Acetate	2-3%
Polyvinyl Alcohol	18-21%
Viscosity (15% in n-propanol)	1300-1800 cps
Acid Value (mg/KOH/gm)	1.0 Max



CI Name	Code	Description	% Pigment	% Total Solids	Type			Application	
					Conventional	High Strength	Surfactant	Inks	Coatings
PB 15	B15R514	Phthalo Blue Crude	43	52	X			X	
PB15	B74160-002	Phthalocyanine Blue GS Crude	30	32-35	X			X	X
PB15	B74160-002	Phthalocyanine Blue GS Crude	30	32-35	X			X	X
PB15:0	B15:0N377	Phthalo Blue Red Shade	36	44			X		X
PB15:0	B15:0RU400	Transparent Phthalo Blue Red Shade	42	49	X			X	X
PB15:0	B15:0RU773	Phthalo Blue Red Shade	40	48	X			X	X
PB15:0	B74160-015	Phthalocyanine Blue RS	40	46-50	X			X	
PB15:0	B74160-045	Phthalocyanine Blue RS	45	53-57		X			X
PB15:1	B15:1R853	Phthalo Blue Red Shade	40	49	X			X	X
PB15:2	B15:2N326	Phthalo Blue Red Shade - NCNF	35	42			X		X
PB15:3	B15:3N105	Phthalo Blue Green Shade	40	47			X	X	X
PB15:3	B15:3R507	Phthalo Blue Green Shade	35	47	X			X	X
PB15:3	B15:3R956	Phthalo Blue Green Shade	40	50	X			X	X
PB15:3	B74160-004	Phthalocyanine Blue GS	40	50-54	X			X	
PB15:3	B74160-047	Phthalocyanine Blue GS HS	47	55-59		X		X	
PB28	B28N1031	Cobalt Blue	63	68		X			X
PB29	B29R244	Ultramarine Blue Red Shade	62	65		X			X
PB79	B746130-030	Phthalocyanine Blue (Al)	35	42-46	X			X	X
Mix	BMR232	Reflex Blue	34	45	X			X	
Mix	BMR485	Reflex Blue LF	33	44	X			X	X
PBK11	BK11R338	Black Iron Oxide	47	55	X				X
PBK7	BK7N167	Carbon Black - Hi Strength	39	47			X	X	X
PBK7	BK7N339	Lamp Black Replacement	36	41			X		X
PBK7	BK7N640	Lamp Black Replacement	45	54			X		X
PBK7	BK7R162	Carbon Black	41	49	X			X	X
PBK7	BK7R192	Carbon Black - Hi Gloss	30	43	X			X	X
PBK7	BK7R651	Tinting Black	37	48	X				X
PBK7	BK7R653	Lamp Black Replacement	46	55	X				X
PBK7	BK7R823	Carbon Black	38	47	X				X
PBK7	BK7R871	Carbon Black - Hi Gloss	30	44	X			X	X
PBR6	BR6R242	Van Dyke Brown	38	47		X			X
PBR7	BR7R213	Burnt Umber	58	63		X			X
PBR7	BR7R214	Burnt Sienna	55	61		X			X
PBR7	BR7R302	Raw Umber	49	54		X			X
PBR7	BR7R1666	Raw Umber	45	54		X			X
PBR7	BR7R1730	Burnt Umber	32	42	X				X
PG17	G17N1025	Chrome Oxide Green	68	72		X			X
PG36	G36R629	Phthalo Green Yellow Shade	40	52	X				X
PG36	G36R1084	Phthalo Green Yellow Shade	40	52	X				X
PG7	G7N719	Phthalo Green	50	56		X	X	X	X

CI Name	Code	Description	% Pigment	% Total Solids	Type			Application	
					Conventional	High Strength	Surfactant	Inks	Coatings
PG7	G7N767	Phthalo Green BS	46	51		X	X	X	X
PG7	G7R158	Phthalo Green	40	50	X			X	X
PG7	G7RU274	Phthalo Green Transparent	46	56	X			X	X
PG7	G74260-001	Phthalocyanine Green	45	51-55		X		X	
PG7	G74260-002	Phthalocyanine Green	49	53-57			X		
PG7	G74260-040	Phthalocyanine Green	54	58-62		X	X		X
PG7	G74260-060	Phthalocyanine Green	48	52-56			X		X
PG7	G74260-100	Akatint Phthalo Green	50	55-59		X	X		X
PO13	O13N779	Pyrazolone Orange	44	49	X			X	X
PO16	O16R626	Dianisidine Orange	36	44	X			X	
PO16	O16R627	Dianisidine Orange Yellow Shade	36	44	X			X	
PO16	O21I60-002	Dianisidine Orange	40	45-50	X			X	X
PO34	O34R731	Diarylide Orange	35	44	X			X	X
PO5	O5N293	DNA Orange	45	52			X	X	X
PO5	O5R315	DNA Orange	32	40	X			X	X
PO5	O12075-002	DNA Orange	42	48-52	X			X	
PO64	O12760-GPN	Akatint Orange GPN	30	37-41			X		X
PO73	O73R545	DPP Hi Performance Orange	35	47	X			X	X
PR101	BRMR475	Brown Oxide Opaque	51	58		X			X
PR101	BRMR633	Transparent Lite Brown Oxide	40	51		X			X
PR101	BRMR706	Transparent Medium Brown Oxide	39	49		X			X
PR101	BRMR716	Transparent Dark Brown Oxide	38	49		X			X
PR101	R101R425	Transparent Brown Oxide	45	53		X			X
PR101	R101R429	Transparent Red Oxide	40	51		X			X
PR101	R101R641	Red Oxide Yellow Shade	60	69		X			X
PR101	R101R1053	Red Oxide Medium Shade	68	73		X			X
PR101	R101R1055	Red Oxide Blue Shade	66	71		X			X
PR112	R112N272	Napthol Red Yellow Shade	37	43			X	X	X
PR112	R112R390	Napthol Red Yellow Shade	35	42	X			X	X
PR122	R122R527	Quinacridone Magenta	36	42	X				X
PR122	R73915-001	Quinacridone Magenta	40	45-50	X			X	X
PR123	R71145-001	Perylene Scarlet*	35	40-45	X				X
PR146	R146R1092	Permanent Carmine	40	49	X				X
PR169	R169R576	Rhodamine CF Yellow Shade	35	42	X			X	
PR169	R45160-002	Rhodamine Red YS CF*	30	37-41	X			X	
PR170	R170R912	Napthol Red Medium Shade	36	46	X				X
PR170	R170R978	Napthol Red Yellow Shade	36	47	X			X	X
PR170	R170N1168	Napthol Red Medium Shade	36	42			X	X	X
PR188	R188N570	Napthol Red Yellow Shade	41	47			X	X	X
PR188	R188N796	Napthol Red Yellow Shade	40	47			X	X	X

LIQUID COLORS

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CI Name	Code	Description	% Pigment	% Total Solids	Type			Application	
					Conventional	High Strength	Surfactant	Inks	Coatings
PR2	R2R358	Napthol Red	44	50	X			X	
PR2	R2R438	Napthol Red	48	57		X		X	
PR2	R12310-001	Naphthol Red YS	37	41-45	X			X	
PR210	R210R1178	Naphthol Red F6RK	33	44	X			X	X
PR22	R22R363	Napthol Red Extra Yellow Shade	45	52	X			X	X
PR22	R22R1091	Napthol Red Yellow Shade	35	46	X			X	
PR22	R12315-045	Naphthol Red YS	45	46-51		X		X	
PR22	R12315-049	Warm Red	37	41-45	X			X	
PR22	R12315-085	Naphthol Red YS	35	40-45	X			X	
PR238	R12466-003	Naphthol Red BS	35	42-46	X			X	
PR254	R254N582	DPP Hi Performance Red	40	47			X	X	X
PR254	R56110-001	Red DPP	42	48-55		X			X
PR266	R266R808	Napthol Red Blue Shade	33	42	X			X	X
PR266	R12474-001	Naphthol Red MS	33	38-42	X			X	X
PR266	R12474-078	Naphthol Red MSI	40	45-50		X		X	X
PR269	R269R1000	BS Nap Red	37	44	X			X	X
PR3	R3R1021	Toluidine Red Yellow Shade	35	41		X			X
PR3	R12120-040	Toluidine REd	41	45-50					X
PR48:1	R48:1R812	Barium Red 2B	39	45	X			X	
PR48:2	R48:2R881	Calcium Red 2B	39	43	X			X	
PR49:1	R49:1R703	Barium Lithol	35	43	X			X	
PR49:2	R15630-033	Calcium Lithol	35	40-44	X			X	
PR5	R5R803	Naphthol Carmine FB	37	47	X				X
PR57:1	R57:1R347	Lithol Rubine Heat & Water Stable	33	42	X			X	
PR57:1	R57:1R1163	Lithol Rubine Heat & Water Stable	38	47	X			X	
PR57:1	R57:1R1169	Lithol Rubine Heat & Water Stable	38	47	X			X	
PR57:1	R15850-001	Lithol Rubine BS	35	44-48	X			X	
PR57:1	R15850-004	Lithol Rubine BS	33	39-43	X			X	
PR57:1	R15850-080	Lithol Rubine BS	33	39-43	X			X	
PR81:3	R45160-001	Rhodamine Red YS	35	42-46	X			X	
Mix	RMR1001	Napthol Red Blue Shade	37	43	X			X	X
Mix	RMR1244	Toluidine Red Blue Shade	46	54	X			X	X
Mix	RMR1255	Toluidine Red Medium Shade	49	57		X		X	X
Mix	RMR1280	Napthol Red Blue Shade	46	54	X			X	X
PV19	V19R537	Quinacridone Violet Yellow Shade	49	42	X				X
PV19	V19R650	Quinacridone Violet Blue Shade	29	37	X				X
PV23	V23R497	Carbazole Violet Blue Shade	37	48	X			X	X
PV23	V23R1141	Carbazole Violet Blue Shade	36	43	X			X	X
PV23	V51319-001	Carbazole Violet	35	42-46	X			X	X
PV23	V51319-008	Carbazole Violet	38	43-48		X		X	X

CI Name	Code	Description	% Pigment	% Total Solids	Type			Application	
					Conventional	High Strength	Surfactant	Inks	Coatings
PV27	V27R558	Methyl Violet CF	38	45	X			X	
PV27	V42535-002	Methyl Violet (CF)	33	40-44	X			X	
PV3	V3R674	Methyl Violet PTMA	38	46	X			X	
PW6	W6N620	Titanium White	68	72		X	X		X
PW6	W6R385	Titanium White	65	71		X		X	X
PW6	W6R452	Titanium White Hi-Gloss	70	75		X		X	X
PY14	Y14R351	AAOT Diarylide Yellow Opaque	35	44	X			X	
PY14	Y14R606	AAOT Diarylide Yellow	38	49	X			X	
PY14	Y14RU525	AAOT Diarylide Yellow Transparent	35	42	X			X	
PY14	Y21095-004	Diarylide Yellow AAOT	35	42-47	X			X	
PY14	Y21095-003	Diarylide Yellow AAOT*	40	48-52	X			X	
PY14	Y21095-045	Diarylide Yellow AAOT HS	45	51-53	X		X	X	
PY14	Y21095-055	Diarylide Yellow AAOT	40	48-52	X			X	
PY14	Y21095-092	Diarylide Yellow AAOT	30	37-45	X			X	
PY155	Y20031-002	Yellow 3GPN	40	45-50	X			X	X
PY184	Y184N569	Bismuth Vanadate	61	64		X			X
PY184	Y194N571	Arylide Yellow Benzimidazolone	40	45			X	X	X
PY3	Y3R199	Arylide Yellow (Hansa)	40	49	X				X
PY42	Y42R249	Yellow Oxide Transparent	40	51		X			X
PY42	Y42R268	Yellow Oxide	60	65		X			X
PY42	Y42R771	Yellow Oxide Transparent Green Shade	40	51		X			X
PY65	Y65N516	Arylide Yellow (Hansa)	55	59			X		X
PY65	Y11740-001	Arylide Yellow RN*	38	44-50					X
PY74	Y74N230	Arylide Yellow 5GX (Semi- Opaque)	35	41			X	X	X
PY74	Y74N343	Arylide Yellow 2GX (Opaque)	35	42			X		X
PY74	Y74R226	Arylide Yellow 5GX (Semi- Opaque)	35	46	X			X	X
PY74	Y74R534	Arylide Yellow 5GX (Semi- Opaque)	40	48	X			X	X
PY74	Y74R635	Arylide Yellow 5GX (Opaque)	35	46	X				X
PY74	Y74R759	Arylide Yellow 5GX	44	51	X				X
PY74	Y11741-023	Arylide Yellow	40	45-49	X			X	
PY74	Y11741-501	Arylide Yellow LMV*	35	43-47	X			X	
PY83	Y83N365	HR Yellow - Opaque	41	48			X		X
PY83	Y83R555	HR Yellow - Semi-Opaque	35	45	X			X	X
PY83	Y83R629	HR Yellow Red Shade Transparent	25	38	X			X	X
PY83	Y83R638	HR Yellow Green Shade Transparent	25	38	X			X	X
PY83	Y21108-001	Diarylide Yellow HR	35	41-45	X			X	X
PY97	Y97R1509	Permanent Yellow FGL	29	42	X			X	X

04.2023

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