

Technical Data Sheet

Unicert Yellow 08005-J (KCW03)

1. Product description / Description du produit

Water soluble dye in compliance with EU, US, Japanese and Chinese cosmetic regulations /
Colorant hydrosoluble en conformité avec les réglementations cosmétiques UE, US, Japon et Chine. Trisodium salt of monoazoic dye / Sel trisodique d'un colorant monoazoïque.

2. Legislation / Réglementation

INCI	Cosmetic Hair dye	CI 19140 Acid Yellow 23
FDA name		FD&C Yellow 5
CAS No.		1934-21-0
EC No.		217-699-5

	EUROPE E.C.1223/2009/EC		USA	JAPAN	CHINA		
INCI Name	CI 19140 * Cosmetic / Cosmétique Annex IV,44 231/2012/EU : E102	Acid Yellow 23 Hair dye / Colorant capillaire Annex 3,189 Max conc : 0,5%	FD&C Yellow 5 ** Meets requirements from 21 cfr 74.2705	I Yellow 4	CI 19140 Cosmetic / Cosmétique Annex 6,44	Hair dye / Colorant capillaire	
Pure dye content / Teneur en colorant pur	85% min	No specifications	87% min	85% - 101%	No specifications	Not permitted	
Water - insoluble matter / Matières insolubles dans l'eau	0,2% max		0,2% max	0,3% max			
Volatile matter / Matières volatiles	No specifications		13% max (135°C)	10% max (105°C)			
Chlorides and sulfates (as sodium salts) / Chlorures et sulfates (sels de sodium)				6% max			
Unulfonated primary aromatic amines (as aniline) / Amines aromatiques primaires non sulfonées (Exprimées en aniline)	0,01% max		No specifications	No specifications	0,01% max		
Ether soluble matter / Matières extractibles à l'éther	0,2% max		0,5% max	0,5% max	No specifications		
4-hydrazinobenzene sulfonic acid	0,5% max				No specifications		0,5% max
4-aminobenzene-1-sulfonic acid							
5-oxo-1-(4-sulfophenyl)-2-pyrazoline-3-carboxylic acid							
4,4'-diazoaminodi(benzene sulfonic acid)							
Tetrahydroxysuccinic acid	No specifications						
Sulfonic Acid Sodium Salt	No specifications	0,2% max	0,2% max				
Aniline	No specifications	100 ppb max	100 ppb max				
Benzidine	No specifications	1 ppb max	1 ppb max				
4-Aminobiphenyl	No specifications	5 ppb max	5 ppb max				
4-Aminoazobenzene	No specifications	75 ppb max	75 ppb max				
Azobenzene	No specifications	40 ppb max	40 ppb max				
1,3-Diphenyltriazene	No specifications		40 ppb max				
Pyrazolone T ethyl ester ou Ethyl 5-oxo-1- phenyl2-pyrazoline-3-carboxylate	No specifications	0,2% max	0,1% max				
Pyrazolone T ou 4,5-Dihydro-5-oxo-1- (4sulfophenyl)-1H-pyrazole-3-carboxylic acid	No specifications	0,2% max	0,2% max				
4,4'-[4,5-Dihydro-5-oxo-4- [[4sulfophenyl]hydrazono]-1H-pyrazol- 1,3diyl]bis[benzenesulfonic acid], trisodium salt	No specifications		1% max				
4-[(4',5-Disulfo[1,1'-biphenyl]-2-yl)hydrazono]- 4,5dihydro-5-oxo-1-(4-sulfophenyl)-1H-pyrazole- 3carboxylic acid, tetrasodium salt	No specifications		1% max				
Ethyl or methyl 4,5-dihydro-5-oxo-1- (4sulfophenyl)-4-[(4-sulfophenyl)hydrazono]- 1Hpyrazole-3-carboxylate, disodium salt	No specifications		1% max				

* Product type, body parts : allowed in all cosmetics. ** Certified grade ; for coloring generally, including cosmetics intended for use in the area of the eye.
[1] including amendments.

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3. Supported chemical and physical data / Données physico-chimiques supportées

Appearance / Aspect	Powder / Poudre
Color in solution / Couleur en solution	Yellow / Jaune
Water solubility / Solubilité eau	Soluble
Maximum absorption	426 (+/-4) nm
Heavy metals / Métaux lourds	(ppm)
Arsenic / Arsenic	0 - 2
Lead / Plomb	0 - 2
Mercury / Mercure	0 - 1
Cadmium / Cadmium	0 - 1

4. Suggested uses / Utilisations conseillées

Hair care, skin care, and toiletries products / Produits capillaires, de soins, et de toilette	0.0005 - 0,5%
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In order to overcome frequent light stability problems occurring in perfume, skin care and toiletry products, we recommend the use of **COVABSORB**, **COVABSORB EW** or **COVABSORB DS**, proprietary blends of organic UV absorbers with outstanding efficacy.