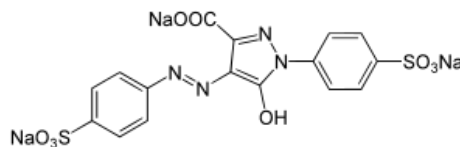


TECHNICAL DATA SHEET

Cosmetische kleurstof - waterbasis - geel / Cosmetic colorant - water based - yellow - KCW03

DEFINITION

| | |
|---------------|---------------------------------------------------------------------------------------------|
| Chemical name | Tri-sodium 5-hydroxy-1-(4- Sulfonato phenyl-4-(4-Sulfonato phenylazo)pyrazole-3-carboxylate |
| INCI Name | CI 19140 |
| COLOUR INDEX | 19140 |
| CAS Nr | 1934-21-0 |
| EINECS Nr | 217-699-5 |



REGULATIONS

| | |
|-----------------------|------------------------------------------------|
| EU Cosmetic Directive | Annex IV, Part 1, Cat 1 |
| Food Directive | E102 |
| FDA | FDC Yellow 5, allowed in all cosmetic products |
| JAPAN | I Yellow 104 |

| | |
|---------------------------------------------|-------------|
| Pure dye content | 85% Min. |
| Water insoluble matter | 0.2 Max. |
| Volatile matter | 10% Max. |
| Chlorides and sulfates (as Na salts) | 6% Max. |
| Heavy metals : | |
| Arsenic | 1 ppm Max. |
| Lead | 10 ppm Max |
| Manganese | 50 ppm Max. |
| Chromium | 50 ppm Max. |
| Mercury | 1 ppm Max |
| Cadmium | 1 ppm Max. |

CHEMICAL & PHYSICAL PROPERTIES

| | |
|---------------------------|--------------------------|
| Aspect | Yellow red powder |
| Maximum absorption | 426 (+- 5) |
| Fastness to acids | Stable |
| Fastness to alkali | Stable if not extreme pH |
| Fastness to light | Stable |

FIELDS OF USE : All water based cosmetic products such as skin care, hair care, toiletries