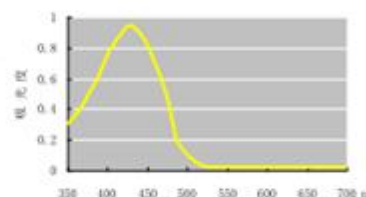
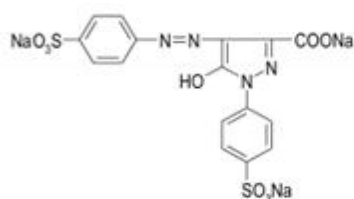


# Tianjin Duofuyuan Industrial Co.,Ltd

## FOOD ADDITIVE TARTRAZINE

### Product Presentation

Product No.	08.005
China standard	GB 4481.1
C.I.Food	C.I. Food Yellow 4
C.I. No.	C.I. 19140 C.I. Acid Yellow 23
FD&C No.	FD&C Yellow No.5
CAS No.	CAS 1934-21-0
EEC	E102
Japan	Food color yellow 4
EINECS No.	EC217-699-5
Chemical-name	the trisodium salt of 4,5-dihydro-5-oxo1-(4-sulfophenyl)-4-[4-sulfophenyl-azo]-1H-pyrazole-3-carboxylicacid
Formula	$C_{16}H_9N_4Na_3O_9S_2$
Formula weight	534.36



### Physicochemical Property

Smell	tasteless			
Light stability	good			
Oxidation resistance	commonly			
PH	6.0-8.0			
Density	0.70			
Solubility (g/l)	water	glycerol	ethyl alcohol	Propylene glycol
	140	150	slight soluble	60

### Sensory Requirement (GB4481.1)

Appearance	Orange yellow powder
------------	----------------------

### Items of Test (GB4481.1)

Tartrazine content, w/%	$\geq 87.0$
Loss on Drying at 135°C, Sodium Chlorides & Sulphates (As $Na_2SO_4$ ) w/%	$\leq 13.0$
water insoluble matter w/%	$\leq 0.20$
4-Aminobenzenesulfonic acid, Sodium Salt w/%	$\leq 0.20$
1-(4'-sulfophenyl)-3-carboxy-5-pyrazolone, Disodium Salt w/%	$\leq 0.20$
Ethyl or Methyl -1-(4'-sulfophenyl)-3-carboxylate-5-pyrazolone, Sodium Salt w/%	$\leq 0.10$
4,4-(1-Triazene-1,3-diyl)bis[benzenesulfonic acid], Disodium salt w/%	$\leq 0.05$

## Tianjin Duofuyuan Industrial Co.,Ltd

---

---

unsulfonated primary Aromatic Amines (As Aniline) w/%	≤0.01
Subsidiary colouring matters w/%	≤1.0
Arsenic (As) mg/kg	≤1.0
Lead (Pb) mg/kg	≤10.0
Mercury (Hg) mg/kg	≤1.0