

Tianjin Duofuyuan Industrial Co.,Ltd

FOOD ADDITIVE

TARTRAZINE ALUMINUM LAKE

Product Presentation

Product No.	08.005
China standard	GB 4481.2
C.I.Food	C.I. Food Yellow 4:1
C.I. No.	C.I. 19140:1
FD&C No.	FD&C Yellow No.5Lake
CAS No.	CAS 12225-21-7
EEC	E102
Japan	Food color yellow 4Lake
EINECS No.	EC235-428-9
Chemical-name	the trisodium salt of 4,5-dihydro-5-oxo1- (4-sulfohenyl)-4-[4-sulfohenyl-azo] -1H-pyrazole-3-carboxylicacid aluminum lake
Formula	$C_{16}H_9N_4Na_3O_9S_2$
Formula weight	534.36

Sensory Requirement (GB4481.2)

Appearance	yellow
Character	Powder

Items of Test (GB4481.2)

Tartrazine content, w/%	≥ 10.0
Loss on Drying at 135°C, w/%	≤ 30.0
Insoluble compounds of hydrochloric acid and ammonia, w/%	≤ 0.50
Subsidiary colouring matters w/%	≤ 0.50
Arsenic (As) / (mg/kg)	≤ 3.0
Lead (Pb) / (mg/kg)	≤ 10.0
Barium(Ba) / w/%	≤ 0.05