

CERTIFICATE OF ANALYSIS
OF
TARTRAZINE

NAME OF THE PRODUCT	: TARTRAZINE
SYNONYMS	: CI FOOD YELLOW 4, FD & C YELLOW NO. 5, C.I NO 19140, INS NO. 102
CHEMICAL NAME	: TRISODIUM 5-HYDROXY-1-(4-SULFONATOPHENYL)-4-(4-SULFONATO-PHENYLAZO)-H-PYRAZOLE-3-CARBOXYLATE
C.A.S NUMBER	: 1934-21-0
CHEMICAL FORMULA	: C ₁₆ H ₉ N ₄ Na ₃ O ₉ S ₂
FORMULA WEIGHT	: 534.37
C.I. NO.	: 19140
EEC NO.	: E-102
CLASS	: MONOAZO
TOTAL DYE CONTENT, CORRECTED FOR SAMPLE DRIED AT 105 + 1°C FOR 2 HRS, PERCENT BY MASS	: 90.00%
VOLATILE MATTER AT 135°C, PERCENT BY MASS	: 10.00%
&	
CHLORIDE & SULPHATE EXPRESSED AS SODIUM SALT, PERCENT BY MASS	
WATER INSOLUBLE MATTER, PERCENT BY MASS	: LESS THAN 0.2%
ETHER EXTRACTABLE	: LESS THAN 0.2 %
SUBSIDIARY DYES, PERCENT BY MASS	: LESS THAN 1.0 %
UNSULPHONATED PRIMARY AROMATIC AMINES (CALCULATED AS ANILINE)	: LESS THAN 0.01 %
TOTAL UNCHANGED INTERMEDIATES	: LESS THAN 0.5 %
CHROMIUM	: LESS THAN 20 MG/KG
ARSENIC	: LESS THAN 3 MG/KG
LEAD	: LESS THAN 1 MG/KG
COPPER	: LESS THAN 5 MG/KG
MERCURY	: LESS THAN 1 MG/KG
HEAVY METALS * ANTIMONY]	: LESS THAN 40 MG/KG.
* CADMIUM]	
* ZINC]	
* BARIUM]	