Titanium Dioxide R-204" — TiO_2

TU U 24.1-05766356-054:2005

SPECIFICATION

Indices denomination and measuring units	Standard
Essential requirements	
TiO2 fraction of total mass, %, min.	90
Water-soluble martter, fraction of total mass, %, max.	0,2*
Volatiles fraction of total mass, at 105°C drying temperature, %, max.	0,5
pH water suspension	6,5 - 8,0
Residue on 0045 sieve, %, max.	0,01
Whiteness, arbitrary units, min. Including color coordinates within CIELAB system **L*** **a*** **b***	96
NOTE: Quality Passport should additionally include, together with "whiteness" index, actual indices of colour refences L*, a*, b* in CIELAB system, upon customer's request (Test method as per P.7.3.2 of the present TC). * Upon customer's request, the surface treatment may be altered towards Al_2O_3 and SiO_2 content increase. In this event, water soluble matter percentage by weight should not exceed 0,4%.	
Conditional requirements	
Rutile form, fraction of total mass, %, min.	97
Bleaching capacity, arbitary units, min.	1950
Hiding power, g/m^2, max.	25
Dispersibility, mkm, max.	14
Dispersibility in water medium, droplets, number per cm^2, max.	upon agreement with customer
Oil absorption, g/100 g of pigment, max.	25
NOTE: Aluminium, Zinc, Silicon Oxides, organic compounds (organic Carbon) percentages by weight are analyzed upon customer's request, as per Annexes B, C, D.	

Application:

Titanium Dioxide pigment grade **R-204** is used to produce water-dispersion enamels and primers, coatings with high atmosphere resistance and decorative characteristics.

Packing:

Titanium Dioxide pigment grade **R-204** is packed in valve paper bags 25 kg each on pallets (net weight 1000 kg).