


|   |  |                   |
|---|--|-------------------|
|  | <b><i>Technical Data Sheet</i></b>                 |                   |
|   | <b>SumTITAN R-2071</b>                             | <b>15.03.2016</b> |
| <b>Manufacturer</b>   | <b>Public Joint-Stock Company "SUMYKHIMPROM"</b>   |                   |
| <b>Address</b>  | <b>40003 str. Kharkovskaya p/o 12 Sumy Ukraine</b> |                   |
| <b>Telephone</b>  | <b>+ 38 (0542) 67-42-14</b>                        |                   |
| <b>Fax</b>  | <b>+ 38 (0542) 68-30-05</b>                        |                   |
| <b>E-mail</b>   | <b>priyomnaya@sumykhimprom.org.ua</b>              |                   |

**Product information:**

|                                    |  |
|------------------------------------|--|
| Application sphere                 | Product with excellent pigment properties and high dispersibility is used for the production of water dispersed and organo diluted paints and enamels of high-gloss, well-suited for printing inks, automotive coatings, paints for metal tare, traffic paints and powder coatings, used in the manufacture of plastics, PVC profiles for internal use |
| Appearance                         | White powder   |
| Molecular formula                  | TiO <sub>2</sub>   |
| Trade name                         | Titanium Dioxide pigment   |
| Standard                           | TU U 24.1-05766356-054:2005  |
| Registration numbers               | CAS № 13463-67-7; EINECS № 236-675-5; RTECS XR 2275000; Russian Register PHCBS No. AT000008 as of 27.01.94; Registration number under (EC) Regulation No.1 907/2006 (REACH): 01-2119489379-17-0029   |
| Shelf life                         | 12 months  |
| Kind of packaging                  | Valve paper bags 25 kg each on pallets (net weight 1000 kg), disposable PP containers big-bags (net weight 500, 1000 kg).  |
| Durability period                  | Unlimited  |
| Storage and application conditions | Store in original manufacturer's containers in closed dry warehouses. Avoid aerosol formation when handling. Apply individual respiratory protecting equipment.  |
| Transport information              | The product is transportable by all kinds of vehicles in accordance with carriage regulations, valid for the given kind of shipment. The cargo is not classified as dangerous under international carriage regulations. «Keep Dry» sign is mandatory.  |

**Physico-chemical indices:**

| Indices denomination and measuring units            | Norm  | Test method                                    |
|---|---|--|
| Titanium Dioxide, % by wt., min.                    | 95  | GOST 9808; ISO 591-1                           |
| Rutile form, % by wt., min.                         | 98  | GOST 9808                                      |
| Volatile matter, % by wt., max.                     | 0,5   | GOST 21119.1; ISO 787-2                        |
| Water soluble substances, % by wt., max.            | 0,2   | GOST 9808; GOST 21119.2; ISO 787-3, ISO 787-8  |
| pH of water suspension                              | 6,5-8,0   | GOST 21119.3; ISO 787/9                        |
| Residue on sieve 0045 mesh, %, max.                 | 0,005   | GOST 9808; GOST 21119.4; ISO 787-7, ISO 787-18 |
| Bleaching capacity, conventional units, min.        | 2100  | GOST 9808; GOST 9529; ISO 787-17               |
| Coverage potential, g/m <sup>2</sup> , max.         | 24  | GOST 9808; GOST 8784                           |
| Dispersibility (dissolver) , mkm, max. <sup>1</sup> | 35  |  |
| Dispersibility (bead mill), mkm, max.               | 12  | GOST 9808; ISO 8780-4                          |
| Oil absorption, g per 100 g of product, max.        | 21  | GOST 21119.8; ISO 787-5                        |
| Particle size, mkm, max. <sup>2</sup>               | 0,35  |  |
| Light resistance                                    | good  |  |
| Whiteness, conventional units, min. <sup>3</sup>    | 97  | ISO 787-1                                      |
| Colour coordinates L, a, b values                   |   |  |
| L – min.  | 98  |  |
| a – min.  | -0,4  |  |
| b – max.  | 1,7   |  |
| Surface treatment                                   | Al <sub>2</sub> O <sub>3</sub> and organic surface active agent |  |

Note 1: To be identified upon customer's requirements.

Note 2: Average value is identified with sedimentation x-ray disc centrifuge XDC-BI.

Note 3: Test method: in tablettised powder, device – Ultrascan C/2grad.