



Sayı: B.30.2.İST.0.17.81.00/693 / 2056

30.12.2014

ANALYSIS TEST REPORT

Company Requesting Report : TARDIGRADE YAPI KİMYASALLARI SAN.TİC.A.Ş.

Address : Akçaburgaz M., 153. Sk., Seçkin Plaza, No: 13/Z, 34522  
Esenyurt / İSTANBUL  
Tel: +90 (212) 798 24 66 Faks: +90 (212) 798 24 67

Required Test : Determination of volatile organic content (VOC).

Test Procedure : This test was performed according to "ASTM D3960 – 5 (Reapproved 2013): Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings". First, A and B parts of the samples were mixed and pre-weighed ( $W_i$ ) before placing in an oven conditioned at  $110 \pm 5$  °C for 1 hour (please see item 6 of the related ASTM standart). After 1 hour, samples were cooled down to room temperature and weighed again ( $W_f$ ). VOC values in the unit of g/lt were calculated according to:

$$VOC (g/lt) = \frac{(W_i - W_f)}{W_i} \times 100 \times density \times 1000$$

Test Date : 19.12.2014 - 25.12.2014.

Test Apparatus : Laboratory balance with 0.0001 gr (0.1 mg) precision (VA304 Model GEC, Avery, UK) and oven (Heraeus, Model; R1560).

Test Result :

| TRADE MARK – CODE   | PRODUCT DESCRIPTION      | VOC VALUE<br>gr/lt |
|---------------------|--------------------------|--------------------|
| Tardigrade EPWB 180 | EPOXY WATER BASED PRIMER | 110± %10           |



Prof. Dr. İsmail AYDIN  
BSc, DIC, PhD

Prof. Dr. İsmail AYDIN  
Istanbul University – Engineering Faculty  
Chemical Engineering Department