



İSTANBUL ÜNİVERSİTESİ  
Mühendislik Fakültesi  
Kimya Mühendisliği Bölümü



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/lit 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 gr/lt
Tardigrade ECWB 280	EPOXY WATER BASED COATING	45± %10



Prof. Dr. İsmail AYDIN  
BSc, DIC, PhD

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