

**Subject: Test Report of Zahabiya Transparent Sealer TS-14.**

1. **COLOR** : TS-14 is *TRANSPARENT*.
2. **ODOUR** : TS-14 has *PUNGENT (BENZENE LIKE) SMELL*.
3. **SOLUBILITY** : Acetone was found a best Diluent (Solvent) for TS-14.
4. **FLAME TEST** : The sample caught fire very fast It burnt with a red flame. gave crackling noises and black smoke.
5. **SKIN TEST** : No adverse reaction. (Satisfactory).
6. **VOLATILE CONTENTS** : The Volatile contents found 79 % (w/w).
7. **DENSITY** : Density of the sample was found 1.040 gm/ml.
8. **SPECIFIC GRAVITY** : 1.034 at 23oC – 28oC.
9. **PHYSIO-CHEMICAL BEHAVIOUR** :
  - A. **Resistance to mild acids** : No bubbling and Rusting.
  - B. **Resistance to mild alkali** : No bubbling and Rusting.
  - C. **Resistance to Humidity** : No Rusting and Bubbling
  - C. **Resistance to Salt spray** : No blister, No rusting.
10. **ADHESION** : 99.9 %.
11. **VISCOSITY** : 3.225 poise.
12. **FLEXIBILITY** : (Bending at 180o by using clinical mandrel, 25oC)  
Nil.
13. **SPRAYING** :
 

<b>A. Dry spray</b>	:	Nil
<b>B. Orange Poels</b>	:	Present
<b>C. Susp. Particles</b>	:	Nil
<b>D. Sags</b>	:	Nil
<b>E. Poor flow</b>	:	Nil

**14. BRUSHING CHARACTERISTICS :**

<b>A. Sags</b>	:	Nil.
<b>B. Brush marks</b>	:	Nil.
<b>C. Brush drags</b>	:	Nil.
<b>D. Level</b>	:	Present
<b>E. Wet edge time</b>	:	50 Sec

**OPINION :**

**Zahabiya Transparent Sealer TS-14** is flexible, transparent sealer in pre-mixed emulsion state, having a pungent smell (Benzene like). This product is safe, **Non-Hazardous** and non-toxic in handling. It increases the strength and resistance **against** mild acids, mild alkalis and humid conditions.



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