

**TEST REPORT**

**Report No. : PN:TR:1354009140**

**DATE : 05/08/2022**



**CARZSPA AUTOFRESH PRIVATE LIMITED**

204, SIDDHI VINAYAK PLATINUM, OPP D.MART ON VIP ROAD, NEAR KAILASHNAGAR  
SURAT-394220

IN

**CONTACT PERSON : ANCKUR SAMA**

**THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :**

**SAMPLE DESCRIPTION** CRYSTALSHIELD PENTAGON 10 H

**OEM** OTHER

**COUNTRY OF ORIGIN** INDIA

**SAMPLE RECD ON** 21/07/2022

**TESTING PERIOD : 01/08/2022 – 04/08/2022**

**TEST(S) REQUESTED** ACID RESISTANCE TEST

**ACID RESISTANCE TEST:**

**ISO 2812-1:2017, Clause no. 9.3.1 (Method A)**

**Test condition** : The test panels conditioned for 16 hrs. under standard conditions at (23 ± 2) °C and (50 ± 5) % relative humidity.

- The test conducted at (23 ± 2) °C and (50 ± 5) % relative humidity.
- Poured a sufficient quantity of test liquid into a suitable vessel to immerse the test panel to the required depth.
- Stand or hang the test piece in an approximately vertical position in the vessel, so that it is half-immersed in the test liquid.
- Immersed the sample for 24 hours at room temperature.
- After the test period has expired, wipe the test piece with a cloth. Clean off any dried residue of aqueous test liquids under running water and clean off the dried residue of any other test liquids with a solvent that does not attack the coating.
- Evaluated only the area which has been in direct contact with the test liquid.
- Immediately assess the test piece for blistering as specified in ISO 4628-2. Rate any visible alterations as specified in ISO 4628-1.
- The test piece allowed to equilibrate in a dry condition for 24 h & reassess the exposed area.

Test liquid : Sulfuric acid solution, with a mass fraction of 10 % sulfuric acid

**Rating scale** : As per ISO 4628-1;

Rating	Intensity of change
0	Unchanged, i.e., no perceptible change.
1	Very slight, i.e., just perceptible change.
2	Slight, i.e., clearly perceptible change.
3	Moderate, i.e., very clearly perceptible change.
4	Considerable, i.e., pronounced change.
5	Very marked change.



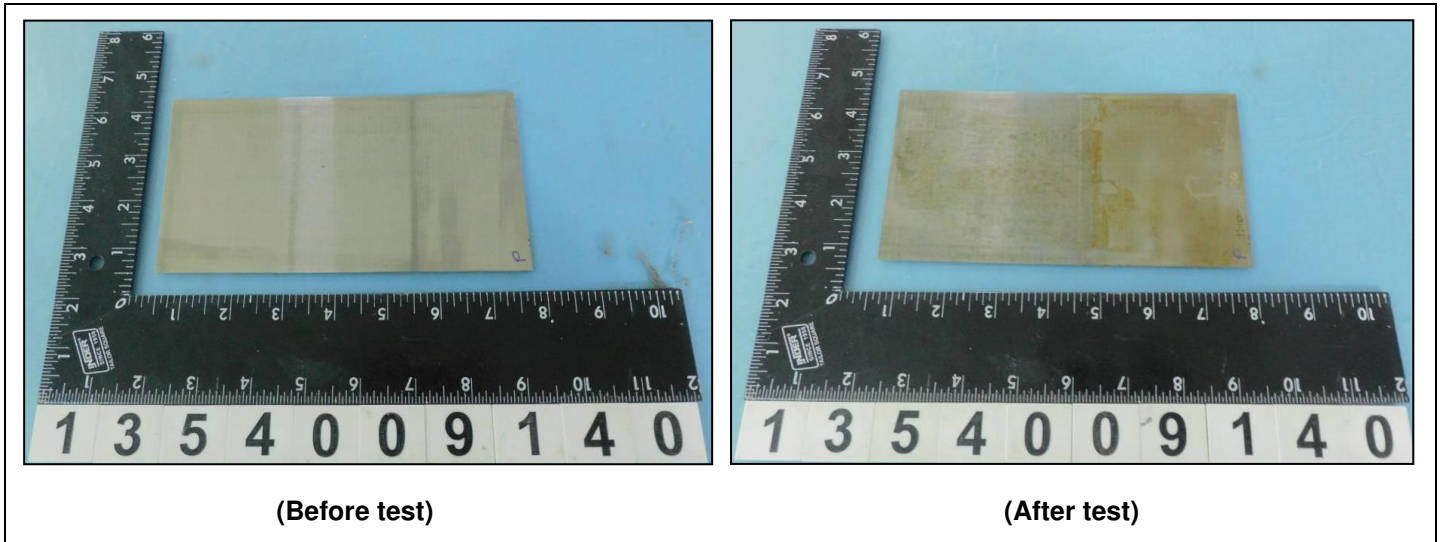
**No. of Sample** : 01

**Observation** :

Observation as per ISO 4628-1			
Sample no.		Characteristic value	Intensity of change
1	Immediately after the test	3	Moderate, i.e., very clearly perceptible change.
	After 24 hours	3	Moderate, i.e., very clearly perceptible change.

Blister rating as per ISO 4628-2			
Sample no.		Blister density	Blister size
1	Immediately after the test	0	0
	After 24 hours	0	0

• **Test photographs :**



(Before test)

(After test)



Note : Test performed as per the conditions given by the client.

\*\*\*\*\* End of Report\*\*\*\*\*

Per pro SGS India Private Ltd.

Bhushan Tambe  
Executive

Email your Test Report Related Enquiries at [Feedback.trp@sgs.com](mailto:Feedback.trp@sgs.com)