



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

An ISO - 9001:2008 Certified Institute

rom

TEST CERTIFICATE

000329770

Issued to :

ONWARD CHEMICALS PVT. LTD
10-11, CREATIVE ESTATE
N.M. JOSHI MARG
LOWER PAREL(E)
MUMBAI - 400011, MAHARASHTRA

J.O.No. 405-182-1982
Reg.No. 1360393
Date 19-05-2014
GC-01 (REV-04)

Your Ref.No. -

Kind Attn: MS DEEPALI NIKAM, A.M-REGULATORY AFFAIRS

Date 05.05.2014

Sample Particulars :

One sample described as High Index Glass Beads " Swarco Plus9beads" Batch # 1450067 was received.

"The sampling was not carried out by Shriram Institute for Industrial Research. The sample details provided in the test certificate are based on declaration by the party"

TEST RESULTS

RESULT: (AS PER TT- B-1325 D)

| S.no. | Test | Observation | Requirement Type - (III) | Conformity |
|-------|--|---|--|------------|
| 1. | Glass Beads gradation (% by weight Passing) Sieve Size | | Min - Max | |
| (1) | 1180 micron | 100 | 100 - | Yes |
| (2) | 850 micron | 99 | 95 - 100 | Yes |
| (3) | 600 micron | 64 | 55 - 75 | Yes |
| (4) | 425 micron | 17 | 15 - 35 | Yes |
| (5) | 300 micron | 03 | 0 - 5 | Yes |
| 2. | Appearance | The beads are transparent, clean, dry, free flowing, and free from bubbles and foreign matter | The beads shall be transparent, clean, dry, free flowing, and free from bubbles and foreign matter | Yes |
| 3. | Roundness (%) | 95 | shall contain not less than 80 % by wt of true spheres | Yes |
| 4. | Specific Gravity (g/cm ³) | 4.30 | 4.00 to 4.50 | Yes |

D.O.R.: 08/05/2014

D.O.C.: 19/05/2014

AUTHORISED SIGNATORY
(EMPLOYEE CODE 4063)