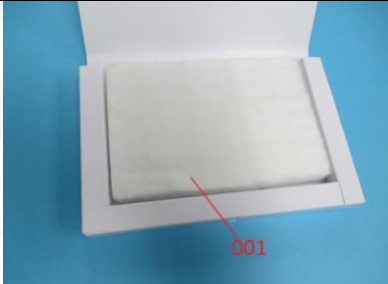




Applicant:	ECOFINE S.R.L P.zza Gazzolo 22/A 37040 Arcole (VR), Italy	
Test Subject:	The submitted sample was identified and described by client as: Silica Aerogel Thermal Insulation Blanket	
Test Requested and Conclusion:	Test according to RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863 on submitted samples	
	(1) Quantitative screening of Lead, Cadmium, Mercury, Chromium and Bromine	Pass
	Energy-Dispersive X-Ray Fluorescence Spectroscopy with reference to EN 62321-3-1:2014	
	(2) Phthalates (DEHP, BBP, DBP and DIBP) Content	Pass
	Test method: With reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).	
Test result:	Refer to section 3	
Remarks	(1) The results relate only to the items tested. (2) Samples are tested as received.	



- 1. Order
- 1.1 Customer's Reference  
Nil
- 1.2 Receipt Date of Test Sample, Location  
Received on 2018-02-05, Hong Kong
- 1.3 Date of Testing, Location  
From 2018-02-05 to 2018-02-13, Hong Kong
- 1.4 Document submitted  
Nil
- 2. Description of the test subject

Sample No.	Description	Photograph
001	White material	



3. Test Results

3.1 Quantitative screening of Lead, Cadmium, Mercury, Chromium, Bromine and Phthalates

Test method: EN 62321-8:2017. For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometers (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
001	BL	BL	BL	BL	BL	BL	BL	BL	BL

- Note:
- "BL" denotes below limit
  - "OL" denotes over limit
  - "Inc." denotes inconclusive
  - "N/A" denotes Not Applicable
  - All concentration express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm
  - XRF screening limits in mg/kg for regulated elements in various matrices

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
<b>Metal</b>	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
<b>Polymers</b>	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
<b>Composite material</b>	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

- Screening limits in mg/kg for regulated phthalates in various matrices

PHthalates	BL	INCONCLUSIVE
DEHP	$X < 600$	$X \geq 600$
BBP	$X < 600$	$X \geq 600$
DBP	$X < 600$	$X \geq 600$
DIBP	$X < 600$	$X \geq 600$



4. Documentation

Annex 01: Photo of product

TÜV SÜD Hong Kong Ltd  
TÜV SÜD Group

Prepared by:

Elvin.Tang  
Project Engineer

Reviewed by:

Anson Cheung  
Project Manager



- END OF TEST REPORT -

Annex 01: Photo of product

