



STEULER-KCH GmbH
Report No. ST 1401-687

Cleanroom[®] Suitable Materials

Alkadur ESD-HC

Outgassing VOC (23°C / 90°C):
ISO-ACC_m class -7.8/tested

Flooring & Coating

Qualification Certificate

We hereby certify that the material stated above, provided by

STEULER-KCH GmbH
Höhr-Grenzhausen, Germany

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number ST 1401-687.

Alkadur ESD-HC was tested regarding outgassing at various temperatures according to VDI 2083-17. The tested material obtained the following classification:

Test temperatures	Family of contaminants	Specific emission rate [g/m ² s]	ISO-ACC _m Class (x)
23 °C / 73 °F	VOC	1.7x 10 ⁻⁸	-7.8
90 °C / 194 °F	Amines	not detectable	--
	Organo-phosphates	not detectable	--
	Siloxanes	not detectable	--
	Phthalates	not detectable	--

Detailed information regarding specific product data such as date of manufacture, color, and serial number as well as test environment and parameters can be obtained from the CSM test report issued by the Fraunhofer-Gesellschaft.

Stuttgart, February 5, 2014

i. A. 
Project manager

DUPLICATE

The validity of this certificate is temporary indefinite and limited to the named product. It can be verified on www.tested-device.com.

For more CSM information, please visit www.ipa-csm.com.