



CERTIFICATE

TÜV SÜD Industrie Service GmbH hereby confirms the Company **Hanwha Precision Machinery Co.,Ltd.** 6, Pangyo-ro 319beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488, Korea, that the product:

ROBOT MODEL:

HANWHA COLLABORATIVE ROBOT (HCR-5)

the cleanroom compatibility of the equipment for the **ISO Class 2** according ISO 14644-1.

The certificate is limited to the particulate cleanliness. The product was tested according to VDI 2083 Part 9.1 in January 2018.

The implementation of the testing and certification is carried out by TÜV SÜD Industrie Service GmbH.

Certificate-no.: 2820932-01
Report-no.: 203772
Valid till: February 2020

A handwritten signature in blue ink, appearing to read 'W. Ritz'.

Dipl.-Ing. Walter Ritz
Berlin, 19. February 2018
TÜV SÜD Industrie Service GmbH
Wittestraße 30, Haus L, 13509 Berlin