



Certificate of Conformity

The Certificate of Conformity is for the Collaborative Robots model CRB 15000 produced by the company ABB Engineering (Shanghai)

Certification Number: CoC-SHSG2202000062CR
Certification issue date: 2022-02-15
Valid period: 2023-02-14
Reference Test Report: SHSG2111000421PR
Type of product: ABB Collaborative Robots
Model/Type Ref: CRB 15000

Within the scope of ISO 14644-14:2016 Cleanrooms and associated controlled environments — Part 14: Assessment of suitability for use of equipment by airborne particle concentration

ISO 14644-14:2016 specifies a methodology to assess the suitability of equipment (e.g., machinery, measuring equipment, process equipment, components and tools) for use in cleanrooms and associated controlled environments, with respect to airborne particle cleanliness as specified in ISO 14644-1. Particle sizes range from 0,1 μm to equal to or larger than 5 μm

Accordingly, the tests of cycle motion mode for all of 6 axis and normal operation mode (without loading) by SGS, all of testing data are conformity ISO Class 4 in cleanroom ISO classification number (N)

This equipment - **ABB Collaborative Robots model CRB 15000** in velocity = 50% , 100% and overall result are conforming the requirements for particle emission cleanroom **ISO Class 4**

Signed for and on behalf of
SGS Taiwan Ltd.

River Lee
Manager

