



# RoHS

## (Restriction of Hazardous Substances)

### Certificate of Compliance

MKS Instruments, Inc. hereby certifies that the products listed in the attached table are compliant with the European Union’s RoHS Directive, (EU) 2015/863 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment. The products listed below are compliant to RoHS requirements for concentration limitations, by weight of homogeneous material, of the ten substances shown on the following page.

<u>Product</u>	<u>RoHS Compliant Part Number</u>
9031 Kinematic Alignment Stage, Compact, 6-axis	9031
9071 Kinematic Alignment Stage, 4-axis	9071 (902071-01)
9081 Kinematic Alignment Stage, 5-axis	9081 (902081-01)
9082 Kinematic Alignment Stage, Wide, 5-axis	9082 (902082-01)
9031-M Kinematic Alignment Stage, Compact, 6-axis, Metric	9031-M
9071-M Kinematic Alignment Stage, 4-axis, Metric	9071-M (902071-02)
9081-M Kinematic Alignment Stage, 5-axis, Metric	9081-M (902081-02)
9082-M Kinematic Alignment Stage, Wide, 5-axis, Metric	9082-M (902082-02)

The thresholds shown below are not in place for any legally allowable exemptions per Annex III of the aforementioned directive. If such exemptions are in use, they are noted on the attached table. If no exemptions are in use, then no further information is provided.

All information provided in this Certificate of Compliance is accurate to MKS’ knowledge as of the date of this certification. This confirmation is made based our internal engineering risk analysis of the individual items possibly being present along with the best technical information made available to MKS from its material suppliers.



Gwen Briens  
Vice-President and General Manager  
Instruments, Motion and CVC BU

February 8, 2022  
Date

### LIST OF SUBSTANCES BANNED BY ROHS DIRECTIVE EU 2015/863

(Item cannot exceed 0.1% of homogeneous material – except as noted)

- Lead (Pb)
- Mercury (Hg)
- Cadmium (Cd) – 0.01% limit
- Hexavalent chromium (Cr6+)
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ether (PBDE)
- Diisobutyl phthalate (DIBP)
- Bis (2-ethylhexyl) phthalate (DEHP)
- Butyl benzyl phthalate (BBP)
- Dibutylphthalate (DBP)

### MKS ROHS DIRECTIVE 2011/65/EU PRODUCT EXEMPTIONS

MKS Product Number	MKS Product Description	Annex III Exemption #	Annex III Exemption Description
9031	9031 Kinematic Alignment Stage, Compact, 6-axis	6 (c)	Copper alloy containing up to 4 % lead by weight.
902071-01	9071 Kinematic Alignment Stage, 4-axis	6 (c)	Copper alloy containing up to 4 % lead by weight.
902081-01	9081 Knematic Alignment Stage, 5-axis	6 (c)	Copper alloy containing up to 4 % lead by weight.
902082-01	9082 Kinematic Alignment Stage, Wide, 5-axis	6 (c)	Copper alloy containing up to 4 % lead by weight.



9031-M	9031-M Kinematic Alignment Stage, Compact, 6-axis, Metric	6 (c)	Copper alloy containing up to 4 % lead by weight.
902071-02	9071-M Kinematic Alignment Stage, 4-axis, Metric	6 (c)	Copper alloy containing up to 4 % lead by weight.
902081-02	9081-M Kinematic Alignment Stage, 5-axis, Metric	6 (c)	Copper alloy containing up to 4 % lead by weight.
902082-02	9082-M Kinematic Alignment Stage, Wide, 5- axis, Metric	6 (c)	Copper alloy containing up to 4 % lead by weight.