

**IMDS Analysis for RoHS 3 compliance
NIDEC MOTORS & ACTUATORS**

imds professional 



This document is to certify compliance of below named product with the directives 2011/65/EU ("RoHS") and directive 2015/863/EU (amendment of Annex II to Directive 2011/65/EU)
All restricted substances with their max. permitted concentration (non-exempt) are listed on page 2 of this document.

This Analysis is based on all substances declared in the datasheets named below, relative to their percentage per material.
Substances below max. permitted concentration will not be named in the analysis result.

This Analysis is based on IMDS material data created by the customer or received by suppliers.
IMDS Professional disclaims liability for incorrect data.

| | |
|-------------------------------------|---------------------|
| Product description | MOTOR DCK31 |
| NIDEC part number | 405.666 |
| ID number / version of analysed MDS | 739695535 / 1 |
| MDS creation date | 26-Apr-2018 |
| MDS status | internally released |
| Date of Analysis | 10-Feb-2021 |

Analysis Result :

***This product is compliant with "RoHS" Directives 2011/65/EU and 2015/863/EU
(with the following exemptions:)***

Detail 1: Material "60 SPb 20" (classification 1.1.1., standard material) can potentially contain up to 0.35% of LEAD. This is compliant according to exemption 6a of Directive 2011/65/EU.

Detail 2: Material "CuZn37" (classification 3.2., published standard material) can potentially contain up to 0.3% of LEAD. This is compliant according to exemption 6c of Directive 2011/65/EU.

Detail 3: Material "C45Pb; C45GPb" (classification 1.1.1., standard material) can potentially contain up to 0.35% of LEAD. This is compliant according to exemption 6a of Directive 2011/65/EU.

Detail 4: Material "PCB-ceramics with lead, Standard" (classification 7.2., part of published semiconductor by ZVEI) can potentially contain up to 4.5% of various lead compounds. This is compliant according to exemption 7c of Directive 2011/65/EU.

Annex A
RoHS restricted substances with
max. permitted concentration (non-exempt) per homogeneous material

| Pos. | Name | max. conc. (non-exempt) |
|------|---|-------------------------|
| | Lead (Pb) | 0.1% |
| | Mercury (Hg) | 0.1% |
| | Cadmium (Cd) | 0.01% |
| | Hexavalent chromium (Cr6+) | 0.1% |
| | Polybrominated biphenyls (PBB) | 0.1% |
| | Polybrominated diphenyl ether (PBDE) | 0.1% |
| | Bis(2-ethylhexyl)phthalat (DEHP) CAS 117-81-7 | 0.1% |
| | Benzylbutylphthalat (BBP) CAS 85-68-7 | 0.1% |
| | Dibutylphthalat (DBP) CAS 84-74-2 | 0.1% |
| | Diisobutylphthalat (DIBP) CAS 84-69-5 | 0.1% |