



**TECHNICKÝ SKÚŠOBNÝ.
ÚSTAV PIEŠŤANY, š.p.**

Krajinská cesta 2929
921 01 Piešťany
Slovak Republic

Machinery and Production Devices
Testing Body



Reg. No. 009/S-062

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TEST REPORT OF MECHANICAL STRENGTH AND SAFETY USAGE

Report reference no.: 134000038/M

Product name : Chemical locker

Type mark : II/380

Customer (name and address) : Locker parameters:
height – 1920mm, width – 920mm, depth - 380mm, Number of shelves - 4
Gúde s.r.o., Podtúreň-Roveň 208, 033 01 Liptovský Hrádok, Slovak Republic

Producer (name and address) : Gúde s.r.o., Podtúreň-Roveň 208, 033 01 Liptovský Hrádok, Slovak Republic

Information about test sample (description, mark, date of receipt) : 1 pcs. – Chemical Locker, II/380, Registration code: 134000038/316/3557
Test sample was supplied to TSÚ Piešťany, š.p. 26.2.2013. Test sample was received by Mr. Stanislav Zámečník.

Testing location : Technický skúšobný ústav Piešťany š.p., Krajinská cesta 2929, 921 01 Piešťany, Slovak Republic; Machinery and Production Devices Testing Body

Date of testing : 20 + 26. 03.2013

Identification code of test procedure : MPS 316/411 according to customer specification of conditions

Identification code of measuring instruments & test equipment : 110-316-026, 220-316-002, 140-316-007, 310-316-002

Test procedure deviation : None

Test conditions : See data mentioned in particular articles

Test procedure deviation : Temperature $\pm 1^{\circ}\text{C}$; humidity $\pm 1\%$; pressure $\pm 0,5\%$; length $\pm 0,01\text{mm}$; time $\pm 0,16\%$; force $\pm 0,2\%$;

The results relate only to the items tested and don't substitute other documents, which are requested by state inspection body according to specific statutes.

Date of issue: 27.03.2013

Tested by :

Ing. D. Hanko
Testing engineer

Approved by :

Ing. S. Zámečník
Head of Machinery and Production
Devices Testing Body

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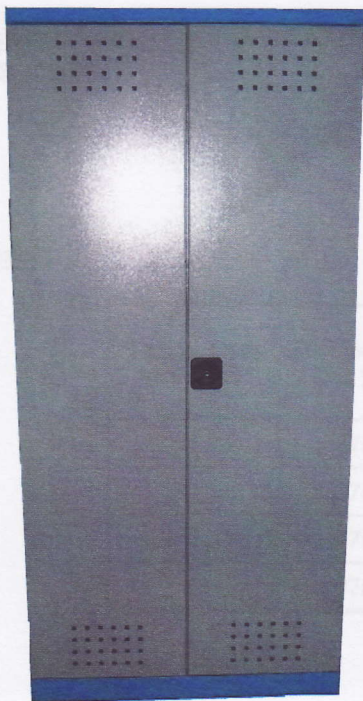


1. PRODUCT DESCRIPTION

Chemical locker type II/380:

- Set up number of set up labelled by producer: ST 24 063
- double door locker
- contains four shelves – tray plate type
- robust welded construction – used sheet steel 0.7-0.8-1.0 mm
- two-point locking locker doors
- variability of shelves setting – possible to be ordered separately
- surface treatment - curing synthetic resin varnish RAL 5015/7001

2. PICTURE OF PRODUCT





3. RESULTS OF MEASURE, TESTS AND DISCOVERY:

3.1 Test of loading of shelves (tray plate):

The purpose of this testing was to detect whether the shelves are able to sustain the declared loading of 30 KG without permanent deformation in the accepted scope of flexible deflexion.

Test condition:

Atmospheric: temperature : + 18°C
pressure : 980 kPa
humidity : 58%

Test load : 375 N – evenly loaded in the shelf

Measure equipment: see first page

Sample under test: 1pcs. Chemical locker, II/380, Test sample reg. 134000038/316/3557

Process results of tests
and test results:

Test of loading of shelves was realized according to the load scheme given in picture no. 1.

Test result:

Test number (shelf no.)	Test loading Q_{sk} [kg]	Deflexion of shelf p [mm]	Duration of loading acting t [min]	Scale of permanent deformation after the test d [mm]	Results / note
1	375	1,5	30	0	+
2	375	1,5	30	0	+
3	375	1,5	30	0	+
4	375	1,2	30	0	+



3.2 Strength test of shelf delivery (support) to side part of chemical locker:

The purpose of the test was do detect the shelf delivery to side part of chemical locker regarding the declared shelf load of 30 kg without breakage or future deformation in the area of shelf delivery (support).

Test condition:

Atmospheric: temperature : + 18°C
pressure : 980 kPa
humidity : 58%

Test load : 375 N – shelf load in the
left/right area of shelf delivery

Measure equipment: see first page

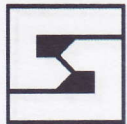
Sample under test: 1pcs. Chemical locker, II/380, Test sample reg. 134000038/316/3557

Process results of tests
and test results:

The strength test of shelf delivery (support) to side part of chemical locker was realized according to the load scheme given in the picture no. 2.

Test result:

Test number (shelf no.)	F[N]	t[min]	Results	Note
right/ left side	375	30	+	
right/ left side	375	30	+	
right/ left side	375	30	+	
right/ left side	375	30	+	



3.3 Tests of impermeability of tray plate:

The purpose of test was to verify the impermeability of tray plate.

Test condition:

Atmospheric: temperature : + 18°C
Pressure : 980 kPa
Humidity : 58%

Test load : The tray plate was fully filled by testing liquid during the given period.
Afterwards, possible leakages of testing liquid in the tray plate surface were detected.

Measure equipment: see first page

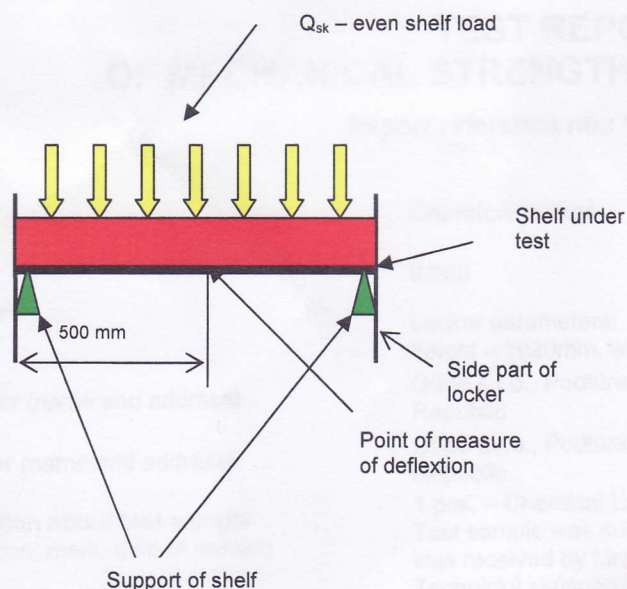
Equipment under test: 1pcs. Chemical locker, II/380, Test sample reg. 134000038/316/3557

Process results of tests
and test results:

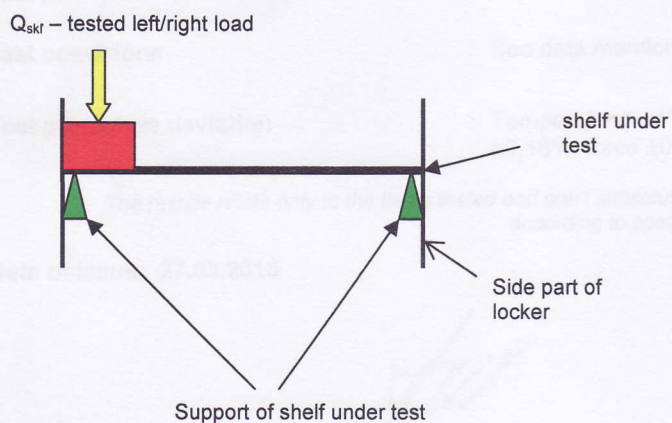
Test number (shelf no.)	Applied test medium	Results	Note
right/ left side	paraffin oil	+	without leak
right/ left side	paraffin oil	+	without leak
right/ left side	paraffin oil	+	without leak
right/ left side	paraffin oil	+	without leak



Picture1: Scheme of load of shelves (tray plate):



Picture 2: Scheme of load of left (right) shelf support:



END OF TEST REPORT