

Abnahmeprüfzeugnis DIN EN 10204-3.1
Certificate DIN EN 10204-3.1


Besteller / Purchaser:
 Farmer's Copper & Industrial
 Supply Inc.
 9900 Emmett F. Lowry Expressway

77591 Texas City
 US

KME Mansfeld GmbH
 Lichtlöcherberg 40
 06333 Hettstedt / Germany
Produktbereiche Bleche / Bänder
 Überprüft nach AD 2000-Merkblatt W0/TRD100
 durch den TÜV Nord Systems GmbH & Co.KG
 Zertifiziert nach Richtlinie 2014/68/EU durch die
 TÜV CERT-Zertifizierungsstelle für Druckgeräte der
 TÜV Nord Gruppe, Notifizierte Stelle, Kenn-Nr.: 0045

Telefon: +493476892491
Fax: +493476893043
E-Mail: Maik.Pfannschmidt@kme.com

Datum/Date	23.10.2019
Auftrag/Position/Contract-No/Item	251109/5
Kundenmat.-Nr./Prod.No. of Customer	P101010000CRHH
Kundennummer/Customer	113929
Bestellnummer/Order no.	765955-FC
Produktionsmeldung/Production no.	668547
Abmessung/Dimension	1x48,5x120"
Norm z. Abmessung / dimension standard	ASTMB248/2017
Dicke/thickness	25,40 mm (+/-0,750 mm)
Breite/width	1.231,90 mm (+/-1,600 mm)
Länge/length	3.048,00 mm (-0,000 mm/+13,000 mm)
Erzeugnis/Product	Plate hot rolled
Werkstoff, Norm/Material, Standard	C10100 ASTMB152/2013, ASTMB248/2017, ASTM B577/16, ASTM B193/16, ASTM B170/99(15)
Festigkeit, Norm/Temper, Standard	H02 ASTMB152/2013, ASTMB248/2017, ASTM B577/16, ASTM B193/16, ASTM B170/99(15)
Lieferbedingungen / Terms of delivery	ASTM F68 Class 1 OK

Gesamtgewicht/ Shipping Units

Netto /net 881,00 kg
Brutto / gross: 959,00
Stück / pieces: 1

Colli / coil 001
Brutto / gros kg 959
Stück / pieces 1
Charge / batch T259.6

Abnahmeprüfzeugnis DIN EN 10204-3.1
Certificate DIN EN 10204-3.1



Chemische und mechanische Eigenschaften / Chemical and mechanical properties

Charge/Batch	T259.6
Datum/Probenr./Date/test-no	20191022/2033
Cu min 99,99000 %	99,99000
Ag max 0,00250 %	0,00170
As max 0,00050 %	0,00010
Bi max 0,00010 %	0,00005
Cd max 0,00010 %	0,00005
Fe max 0,00100 %	0,00010
Mn max 0,00005 %	0,00005
Ni max 0,00100 %	0,00060
O max 0,00050 %	0,00019
P max 0,00030 %	0,00010
Pb max 0,00050 %	0,00024
S max 0,00150 %	0,00060
Sb max 0,00040 %	0,00020
Se max 0,00030 %	0,00010
Sn max 0,00020 %	0,00010
Te max 0,00020 %	0,00010
Zn max 0,00010 %	0,00010
Min. el. conductivity %IACS	> 98.16
Tensile Strength Rm 255 - 315 N/mm	264
Yield Strength Rp0,2 N/mm	260
Elongtion 50 mm %	47
Härte HRF 77,0 - 89,0	78,1
Tensile Strength Rm 37 - 46 KSI	38
Yield Strength Rp0,2 KSI	38

FARMERS COPPER LTD.



MILL TEST REPORT W/100.00

BY Q.A. DEPT.: *W/100.00*

REVIEWED BY: *W/100.00*

Dieses Schreiben wurde maschinell erstellt und ist ohne Unterschrift gültig.
Es ist durch nachstehende Person autorisiert.
This certification report is machinemade.
It is authorized by the undersigned person.


KME Maschinen GmbH
Abnahmeprüfer / Inspection Manager
Maik Pfandbehnidt

KME Germany GmbH & Co. KG, Fricke GmbH,
KME Brass Germany GmbH, KME Brass France SAS, KME Brass Italy S.p.A.,
KME Spain S.A.U., KME Ibertubos S.A.

www.kme.com

E-Mail: reach.de@kme.com



Communication to KME's Customers

Revision date: 01.09.2017

Declaration of Conformance

We hereby declare that our products from copper and copper-alloy (with tinned or blanc surface) and packaging material have a chemical composition in accordance with the below listed directives of the European Parliament and their respective amendments which are officially published until the revision date of this document.

Item	Regulation
ELV	DIRECTIVE 2000/53/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 September 2000 on end-of life vehicles (so-called ELV) according amendment of Annex II (2008/689/EG)
GADSL	VDA 232-101 Global Automotive Declarable Substance List (GADSL)
RoHS	DIRECTIVE 2011/65/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 08 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (so-called RoHS 2). <u>Applied exemption according annex III in case of lead-containing alloy composition in the article:</u> <i>6c) Copper alloy containing up to 4 % lead by weight</i>
DecaBDE	China-RoHS SJ/T 11363-2006)
POP	DIRECTIVE 2005/717/EG of 1st July 2008 Flame retardant DecaBDE in electrical and electronic appliances.
Stockholm Convention	EG/850/2004 – POP-Directive EU/519/2012 Regulation to change annex I of EG/850/2004 EU/2016/293- Regulation to change annex I of EG/850/2004 to add HBCD
PFOS	Directive 2003/11/EG (Pentabromdiphenylether, Octabromdiphenylether) and 2006/122 EG (PFOS) of the EUROPEAN PARLIAMENT AND OF THE COUNCIL to change 76/769/EG for the use of dangerous substances and dangerous products. The products are free from PAH.
Ozone-Layer	Regulation (EC)1005/2009: Substances that Deplete the Ozone Layer
- Cr VI - asbestos - mercury	The products are free from hexavalent chromium (CrVI) and asbestos There is no use of mercury in our alloy composition
Packaging material	94/62/EG (packaging)
Siloxane	The products are free from Octamethylcyclotetrasiloxane (D4) (EC No: 209-136-7, CAS No: 558-67-2) and Decamethylcyclopentasiloxane (D5) (EC No. 208-764-9, CAS No. 541-02-6)

For further questions please do not hesitate to contact your KME sales-representative or EHSQ-management shown below:

Frank Otten
EHSQ-Management
phone: +49 (0)541 321 1509
e-mail: Frank.Otten@kme.com


We confirm that the information involved in the drawing up of this document has been checked to the best of our knowledge for completeness, correctness and current relevance. We shall inform our customers about mistakes which transpire to exist in information included in this declaration as well as about amendments about which we become aware prior to a delivery. We declare our agreement with the fact that our information is to be used by our customers along the supply chain. We provide a guarantee for any damages which can be proved to ensue from intentionally incorrect or incomplete documentation

KME Germany GmbH & Co. KG, Fricke GmbH,
KME Brass Germany GmbH, KME Brass France SAS, KME Brass Italy S.r.l.,
EM Moulds S.r.l., KME Ibertubos, Cuprum S.A., PHM Pehamet, KME America Inc.
www.kme.com
reach.de@kme.com



REACH: Communication to KME's Customers¹

22.06.2016

Confirmation for the Implementation of REACH

- All KME Germany GmbH & Co. KG affiliates, hereinafter referred to as KME, supply products made of copper and/or copper alloys in the form of hot and cold rolled bands and sheets, pressed and drawn tubes, profiles and rods, stamping parts as well as special products such as casting moulds. Within the meaning of REACH it is a question here of products.
- KME is aware of REACH European regulation and has been acting since the Regulation was issued, on all actions needed to fulfil REACH obligations applicable to its industrial and commercial activities.
- KME acts as a downstream user of the substances which are contained in the products made of copper and copper alloys. Their use for the production of products of copper and copper alloys is taken into consideration in the REACH registration process.
- KME will ensure that all substances contained in the products are registered by KME or by an upstream actor according to the time schedule for registration which is defined by REACH legislation. We are in close contact with our suppliers and REACH-compliance of materials relevant to our processes is a fundamental part of our supplier qualification procedure.

All products and packaging of KME do not contain any of the particularly alarming substances (SVHC) mentioned in the SVHC-candidate list for authorization in concentrations of more than 0.1% (w/w).

Link to the ECHA candidate list: <http://echa.europa.eu/candidate-list-table>

According to *article 31 of REACH* KME is not requested to compile a Safety Data Sheet relevant to its products or articles. As a voluntary service KME will provide to all its customers on paper or electronically a so called "*Information sheet for articles*" which is of course free of extra charge. Please send your request to your responsible KME sales representative or to reach.de@kme.com

Dipl.-Ing. Frank Otten
KME Germany GmbH & Co. KG
Klosterstraße 29
D-49074 Osnabrück
Tel.: +49 (0) 541 321 1509
Fax.: +49 (0) 541 321 8 1509
Email: Reach.de@kme.com

i. V. 

We confirm that the information involved in the drawing up of this document has been checked to the best of our knowledge for completeness, correctness and current relevance. We shall inform our customers about mistakes which transpire to exist in information included in this declaration as well as about amendments about which we become aware prior to a delivery. We declare our agreement with the fact that our information is to be used by our customers along the supply chain. We provide a guarantee for any damages which can be proved to ensue from intentionally incorrect or incomplete documentation.



KME America Inc.
1000 Jorie Boulevard • Suite 111 • Oak Brook, IL 60523
Phone: (630) 990-2025 • Fax: (630) 990-0258

November 7, 2018

RE: Mercury Free Statement

To Whom It May Concern:

Material produced by KME does not come in direct contact with mercury or any of its components.

Best regards,

A handwritten signature in cursive script that reads "John Shay".

John Shay
President
KME America



KME America Inc.
1000 Jorie Boulevard • Suite 111 • Oak Brook, IL 60523
Phone: (630) 990-2025 • Fax: (630) 990-0258

November 7, 2018

Sulphur content of gas resp. oil fuel

Certificate

The Sulphur content in our gas/oil fuels used in furnaces does not exceed our given limits of:

Gas: 30 grains per 100 cu. Ft.

Oil: 0.5 % by weight

This letter is valid until 12/31/19.

A handwritten signature in black ink that reads 'John Shay'.

John Shay
President
KME America



KME America Inc.
1000 Jorie Boulevard • Suite 111 • Oak Brook, IL 60523
Phone: (630) 990-2025 • Fax: (630) 990-0258

November 7, 2018

To whom it may concern,

Please be advised that the recording of false, fictitious or fraudulent statements or entries on any documents generated by KME may be punishable as a felony under Federal Statutes.

Sincerely,

A handwritten signature in cursive script that reads "John P. Shay".

John P. Shay
President
KME America Inc.



KME America Inc.
1000 Jorie Boulevard • Suite 111 • Oak Brook, IL 60523
Phone: (630) 990-2025 • Fax: (630) 990-0258

November 30, 2016

To Whom It May Concern,

Please be advised that no weld repairs are performed on material supplied by KME.

Should you have any further questions please let us know.

Best regards,

A handwritten signature in cursive script, appearing to read "John P. Shay".

John Shay
President
KME America



Cust. VISION MACHINE & FABRICATION

Item P101010000CRHH--

Line 1191060-1

Qty 24 Req 3

Desc. 1" 101 HH PLATE

Carr. UPS GROUND

Doc. T2596-101

P.O.# 05060



KME America Inc.
1000 Jorie Boulevard • Suite 111 • Oak Brook, IL 60523
Phone: (630) 990-2025 • Fax: (630) 990-0258

November 7, 2018

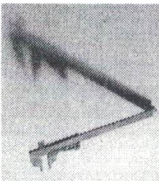
Country of Origin Statement

This letter is to certify that all 70/30 Copper-Nickel products, alloy C715, sold by KME America Inc. are produced, starting from the original melt to the finish product, by KME Germany GmbH & Co. KG located in Osnabruck, Germany.

Should you have any questions please contact John Shay, President KME America Inc. at 630-990-2025.

Best regards,

John Shay
President
KME America Inc.



VISION MACHINE & FABRICATION CORP

P/N: JL0090341

PAGE: 1

DATE: 7-8-2020

REV: -

CUSTOMER: JEFFERSON LAB

PO: 20-M0858

QTY: 3 Total

VMF#: 2197

INSP#: VMF 3

	BLUE PRINT DIMENSIONS	TOLERANCE	ACTUAL -01	ACTUAL -02	ACTUAL -03		
1	Ø 20	+/- .1	20.06	19.99	19.99		
2	105.9	+/- .1	105.93	105.93	105.92		
3	60.3	"	60.295	60.295	60.297		
4	Ø 5	+/- .1	5.01	4.98	4.99		
5	R8	↓	8.01	8.00	8.01		
6	R13	↓	12.98	12.99	12.98		
7	26.0	+/- .1	26.02	26.05	26.00		
8	Ø 25	+/- .1	24.99	24.99	24.99		
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