



INSPECTION CERTIFICATE № 13.12459

EN 10204 - 3.1



Certified by Russian Register

Consigner: KAMENSK URALSKY METALLURGICAL WORKS JOINT STOCK COMPANY 5, Zavodskaya Str., Kamensk Uralsky, Sverdlovsk Region, 623405, Russia Tel: (3439) 39 52 22 Fax: (3439) 39 50 68										
Consignee: AMCO Metall Service GmbH					Quantity: Net Weight, kg.:					
Contract number: Z13280-S 80534.00 Article number: -					Specification No: Z13280 Lot No: 1 Package No: 371639					
Description of Goods: Round bars					Requirements on the Products:					
Grade of Product			Dimensions, inch/mm		Material conforms to quality of alloy: 5083 H112					
d50			3000		Product conforms to all requirements of: EN573-3, EN755-1,2,3					
Mechanical Properties										
The Condition of Tested Standards	Lot Number	Cast Number	Number of Tests	Tensile Strength		Yield Strength (0,2% offset)		Elongation, %		Hardness, HB
				MPa		MPa				
				min	max	min	max	min	max	
Required				270.0	-	125.0	-	10.0	-	-
-	63680	18-92	1	315.0	315.0	173.0	173.0	21.0	21.0	-
Chemical Composition, %										
Element	Silicon Si	Iron Fe	Copper Cu	Manganese Mn	Magnesium Mg	Chromium Cr	Nickel Ni	Zinc Zn	Titanium Ti	Zirconium Zr
Required	0.4	0.4	0.1	0.4-1.0	4.0-4.9	0.05-0.25	-	0.25	0.15	-
Contents	0.11	0.22-0.23	0.02	0.6	4.5	0.08	-	0.02	0.04	-
Element	Ti+Zr	Na	Tin Sn	Bismuth Bi	Plumbum Pb	Mn+Cr	Ca	Other Elements		Al
								Each	Total	
Required	-	-	-	-	-	-	-	0.05	0.15	remainder
Contents	-	-	-	-	-	-	-	0.05	0.15	remainder
Other Tests										
Method	Macro-structure	Micro-structure	UT	Electro-conductivity	SCF	Contents H2 of metals cm3/100gr				
Result	-	-	-	-	-	-				

On behalf:

OAO KUMZ

Date:

26.04.13

Inspector:

G.A.Ostanina

Inspection Department Engineer

N.V. Alekhina

