

0908 – DILEUPA QC Sheet N° 0908 - CD 001- A		Quality Control Sheet Cadmium cast		Date : 10 April 2007 Page 1 of 1	
Cd batch No : *****			Manufacturer : Korzin SACI		
Piece : Cover N° de pieza : 1		Plano N° : 0908 – LE01 - 3ASIN - 005 –A			
1. Determination of the volume to fill					
Balance used		Brand: Precision EL – SLB - In calibration status: Yes Appreciation : 001 Kg			
Piece weight (Pw) (Kg)			9.250 Kg		
Piece weight + Mass H2O (Pw + MH2O) (Kg)			9.415 Kg		
H2O mass (Pw + MH2O)-Mp (Kg)			0.165 Kg		
Observations :					
2. Piece heating and fusion of Cd					
Thermometer measuring Tpiece (°C)		Brand: ***** In calibration status: Yes Appreciation : *****			
Thermometer measurement T melting pot (°C)		Brand: ***** In calibration status: Yes Appreciation : *****			
Temperature measurement piece (°C)			299 °C		
Measuring temperature casting molten Cd (°C)			380 °C		
Observations: Heating of the workpiece is performed by placing the Cover entirely inside a tube furnace, complementarily I was heated by direct flame casting four mouths. Cd wash to overflow level took place and then the voids exposing the four mouths open flame casting and adding Cd in liquid state were completed.					
3. Measuring mass of Cd cast					
Cast Cd mass + mass piece (M _{cd+p}) (Kg)			10.650 Kg		
Mass calculation cast Cd = M _{cd+p} -Mp (Kg)			10.650 Kg – 9.250 Kg = 1.400 Kg		
4. Calculation of efficiency cast					
Cd density :8.65 gr/cm3			H ₂ O density : 1 gr/cm3		
Theoretical Mass Cd = M _{H2O} x Dens.Cd / Dens H ₂ O = 0.165 Kg x 8.65 gr/cm3 / 1gr /cm = 1.427 Kg					
Efficiency cast E = Mass cast Cd / Theoretical mass Cd x 100 =98.1 %					
Observations: photos attached to this casting process in the chamber Cd					
Executed by :		Controlled by :		Reviewed by :	
Pedro Korzin		Norberto Berte		Juan Jose Pereyra	
Date : 10 April 2007		Date : 10 April 2007		Date : 10 April 2007	
				Approved by :	
				Jose Ausas	
				Date : 10 April 2007	