

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 : Cadmium chamber N° de pieza : 1		Plano N° : 0908 – LE01 - 3AEIN - 006 – 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)		61.700 Kg			
Piece weight + Mass H2O (Pw + MH2O) (Kg)		68.350 Kg			
H2O mass (Pw + MH2O)-Mp (Kg)		6.650 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)		288 °C			
Measuring temperature casting molten Cd (°C)		398 °C			
Observations: Heating of the workpiece is performed by placing the chamber Cd 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)		117.850 Kg			
Mass calculation cast Cd = M _{cd+p} -Mp (Kg)		117.850 Kg – 61.700 Kg = 56.15 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 = 6.65 Kg x 8.65 gr/cm3 / 1gr /cm = 57.52 Kg					
Efficiency cast E = Mass cast Cd / Theoretical mass Cd x 100 = 97.6 %					
Observations: photos attached to this casting process in the chamber Cd					
Executed by : Pedro Korzin Date : 10 April 2007		Controlled by : Norberto Berte Date : 10 April 2007		Reviewed by : Juan Jose Pereyra Date : 10 April 2007	
				Approved by : Jose Ausas Date : 10 April 2007	