

Name 1	TRIDESTILADOR DE MERCURIO
Name 2	TRIPLE DISTILLER OF MERCURY
ID number	001.63.Almadén
Manager / Administrator	Reyes Ávila Bercial, Cerco San Teodoro, s/n, 13400-Almadén (Ciudad Real)
Ownership	Public
Institution	Minas de Almadén y Arrayanes, S.A
Local / Original ID Number	001.001.003.300
Type of Object	Smelting

DESCRIPTION

Short description	"Triple distillation is a process to increase the purity of mercury. It consists of heating liquid mercury three times to turn it into a vapour state and then condensing it again. Using this technique, a purity of 99.99% is obtained, which is necessary for its use in various industrial applications, such as dental amalgam or precision instruments. This triple distiller was installed around 1980 to meet the demand of some industries that were consumers of mercury. However, the purity of Almadén's mercury is such that 99.9% is obtained in the first distillation, with no significant differences compared with the triple distillate."
Measures	

Materials	Stainless steel
Dating	1980
Author / Producer	Minas de Almadén

Illustrations

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Original use	Achieving purity of mercury.
Present use	Museum and didactic use.
Original location	Mercury store (Cerco de Destilación)
Present location	Mercury Museum (Mining Park)

STATE OF CONSERVATION

History of conservation:	
Present state	good
Necessary activities:	

DOCUMENTATION

Addresses /collections/links etc. where further in-depth information is accessible:	www.parqueminerodealmaden.es
Submitted	AYUNTAMIENTO ALMADEN
Submitted by	Águeda Moyano & Alicia Escudero
Date Submitted	26. 4. 2022

Date Edited

Never
