

## **Human Hair (Methyl Mercury)**

Art. ID	IAEA-085
Unit	5 g
Deliverydetails	No Dangerous Good /not restricted

### **Description**

The materials were prepared from human hair which was donated to the IAEA. IAEA-085 represents hair with an elevated level of methylmercury (achieved by spiking the sample with methylmercury) whilst IAEA-086 is representative of the endogenous level for this analyte. The hair was cryogenically homogenized using the stainless steel "CryoPalla" mill at the KFA-Jülich Specimen Bank facility. The hair was subjected to consecutive millings, until approximately 70% had a particle size below 71 µm. These materials were gamma-sterilized to ensure long-term stability of the material by inhibiting microbial action.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Informaton value	Calcium (Ca)	[7440-70-2]	929	mg/kg		
Informaton value	Copper (Cu)	[7440-50-8]	16,8	mg/kg		
Recommended value	Iron (Fe)	[7439-89-6]	79,3	mg/kg		
Recommended value	Mercury (Hg)	[7439-97-6]	23,2	mg/kg		
As inorganic Hg, R	Methylmercury (as Hg)		22,9	mg/kg		
Informaton value	Magnesium (Mg)	[7439-95-4]	140	mg/kg		
Informaton value	Manganese (Mn)	[7439-96-5]	8,8	mg/kg		
Informaton value	Scandium (Sc)	[7440-20-2]	0,0092	mg/kg		
Informaton value	Selenium (Se)	[7782-49-2]	1,07	mg/kg		
Recommended value	Zinc (Zn)	[7440-66-6]	163	mg/kg		