



## List of costs

(valid as of 01.02.2019)

For the services rendered by it, the Physikalisch-Technische Bundesanstalt (PTB) invoices costs (fees and expenses) in accordance with the "Kostenverordnung für Nutzleistungen der PTB" (regulations governing charges for services rendered by the PTB) of December 17, 1970 (BGBl. I p. 1745) in their version of November 15, 2018 (BGBl. volume 2018 part I, no. 38, p. 1877). The following fees have been fixed for activity standards available from PTB. They are subject to changes of the above regulations.

### **1 Issue of activity standards**

1.1	Activity standards as solutions or point sources of the nuclides H-3, C-14, Na-22, Cl-36, Mn-54, Fe-55, Co-57, Co-60, Ni-63, Sr-90, Tc-99, I-131, Ba-133, Cs-134, Cs-137, Eu-152, Pb-210, Th-nat, Am-241, U-nat	<b>877.50 €</b>
1.2	Activity standards as solutions or point sources of the nuclides P-32, Cr-51, Co-56, Co-58, Fe-59, Zn-65, Sr-85, Y-88, Sr-89, Nb-93m, Cd-109, Sn-113, I-125, Sb-125, Ra-226	<b>1 072.50 €</b>
1.3	Activity standards as solutions or point sources of the nuclides Se-75, Ru-103, Ru-106, Ag-110m, I-129, Ce-139, Ce-141, Pm-147, Ir-192, Au-198, Hg-203, Tl-204, Bi-207	<b>1 365.00 €</b>
1.4	Gaseous activity standards of nuclide Rn-222	
1.4.1	in a vessel made available by the client	<b>1 023.75 €</b>
1.4.2	in a vessel made available by PTB	<b>1 316.25 €</b>

### **2 Additional fee for special sources**

The fees for some activity standards are rised due to supplementary production costs by the following amounts:

2.1	Special fillings and special preparations	<b>633.75 €</b>
2.2	Area sources	<b>390.00 €</b>

### **3 Calibration of radioactive sources**

3.1.1	Activity determination on an aqueous solution or point source of a gamma-ray emitting radionuclide with semiconductor spectrometers	<b>877.50 €</b>
3.1.2	Each additional radionuclide in an aqueous solution or point source	<b>48.75 €</b>
3.2	Activity determination on an aqueous solution of a gamma-ray emitting radionuclide with ionization chambers	<b>926.25 €</b>
3.3	Activity and impurity determination on an aqueous solution of a gamma-ray emitting radionuclide with ionization chambers and semiconductor spectrometers	<b>1 608.75 €</b>
3.4	Activity determination on an aqueous solution of a radionuclide with liquid scintillation counting	<b>975.00 €</b>
3.5	Activity and impurity determination on an aqueous solution of a radionuclide with liquid scintillation counting and semiconductor spectrometers	<b>1 755.00 €</b>
3.6	Determination of the surface emission rate on an area source of an alpha or beta-emitting radionuclide	<b>1 121.25 €</b>
3.7	Determination of the surface emission rate and of the activity on an area source of radionuclide Am-241	<b>1 608.75 €</b>
3.7.1	Additional check of class 1 conformity according to DIN ISO 8769	<b>1 511.25 €</b>
3.8	Determination of the surface emission rate and of the activity on an area source of an beta-emitting radionuclide	<b>3 120.00 €</b>
3.8.1	Additional check of class 1 conformity according to DIN ISO 8769	<b>1 511.25 €</b>
3.9	Determination of the surface emission rate and activity of an area source of photon-emitting radionuclide	<b>2 486.25 €</b>
3.9.1	Additional check of class 1 conformity according to ISO8769	<b>1 511.25 €</b>

### **4 Additional expenditure of work for dispatch**

4.1	Additional expenditure of work for dispatch in countries which do not belong to the European Union	<b>390.00 €</b>
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The delivery of the activity standards is subject to the General Terms and Conditions (AGB) of the Physikalisch-Technische Bundesanstalt ([www.ptb.de/de/dienstleistungen/dienstleistungen.html](http://www.ptb.de/de/dienstleistungen/dienstleistungen.html)).

The fees stated do not comprise any shipping costs.  
V.A.T. will not be charged. Discount deductions are not permissible.