

List of costs

(valid as of 01.11.2009)

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 October 5, 2009 (BGBl. part I, no. 69, p. 3542). 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 in the form of solutions or point sources of the nuclides H-3, C-14, Co-60, Ni-63, Sr-90, I-131, Cs-137, Eu-152, Th-nat, Am-241, U-nat	455,00 €
1.2	Activity standards in the form of solutions or point sources of the nuclides Na-22, Mn-54, Fe-55, Co-57, Ba-133, Cs-134, Pb-210	585,00 €
1.3	Activity standards in the form of solutions or point sources of the nuclides Be-7, 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, Mixed solution 2, Mixed solution 5	715,00 €
1.4	Activity standards in the form of solutions or point sources of the nuclides Se-75, Ru-103, Ru-106, Ag-110m, Te-123m, I-129, Ce-139, Ba-140, Ce-141, Ce-144, Pm-147, Ta-182, Ir-192, Hg-197m, Au-198, Hg-203, Tl-204, Bi-207, Mixed solution 4	910,00 €
1.5	Radon-in-gas activity standard	
1.5.1	in a vessel supplied by the applicant	683,00 €
1.5.2	in a vessel provided by the PTB	878,00 €

2 Additional fee for special sources

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

2.1	Special fillings and sources prepared to specification	423,00 €
2.2	Area sources	260,00 €

2.3	Low-energy photon radiation sources with indication of the photon flux	260,00 €
2.4	Alpha-emitting sources	423,00 €
3	Calibration of radioactive sources	
3.1.1	Determination of the activity of a gamma-emitting radionuclide in an aqueous solution or in a point source using semiconductor spectrometers	585,00 €
3.1.2	Each additional radionuclide in an aqueous solution or in a point source	33,00 €
3.2	Determination of the activity of Xenon or Krypton using ionization chambers	455,00 €
3.3	Determination of the activity of a gamma-emitting radionuclide in an aqueous solution using ionization chambers	618,00 €
3.4	Determination of the activity of a gamma-emitting radionuclide and of radioactive impurities in an aqueous solution using ionization chambers and semiconductor spectrometers	1.073,00 €
3.5	Determination of the activity of a radionuclide in an aqueous solution using liquid scintillation counting	650,00 €
3.6	Determination of the particle flux of an alpha or beta-emitting radionuclide in an area source	748,00 €
3.7	Determination of the particle flux, emission rate and activity of an alpha-emitting radionuclide in an area source	1.073,00 €
3.8	Determination of the particle flux, emission rate and activity of an beta-emitting radionuclide in an area source	2.080,00 €
3.9	Determination of the activity and of radioactive impurities in an aqueous solution using liquid scintillation counting and semiconductor spectrometers	1.170,00 €
4	Additional work for shipping	
4.1	Into countries outside the European Union	260,00 €

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).

V.A.T. will not be charged.

Discount deductions are not permissible.

The fees stated do not comprise any shipping costs.