1. pielikums

Ministru kabineta

2021. gada 28. janvāra

noteikumiem Nr. 65

**Radioaktivitātes izņēmuma limiti, kurus nepārsniedzot
nav nepieciešams paziņot par darbībām ar jonizējošā starojuma avotiem**

|  |  |  |  |
| --- | --- | --- | --- |
| Nr. p. k. | Radionuklīds1 | Kopējā radioaktivitāte, Bq | Īpatnējā radioaktivitāte, Bq/g |
| 1. | 3H | 1 x 109 | 1 x 106 |
| 2. | 7Be | 1 x 107 | 1 x 103 |
| 3. | 14C | 1x 107 | 1 x 104 |
| 4. | 15O | 1 x 109 | 1 x 102 |
| 5. | 18F | 1 x 106 | 1 x 101 |
| 6. | 22Na | 1 x 106 | 1 x 101 |
| 7. | 24Na | 1 x 105 | 1 x 101 |
| 8. | 31Si | 1 x 106 | 1 x 103 |
| 9. | 32P | 1 x 105 | 1 x 103 |
| 10. | 33P | 1 x 108 | 1 x 105 |
| 11. | 35S | 1 x 108 | 1 x 105 |
| 12. | 36Cl | 1 x 106 | 1 x 104 |
| 13. | 38Cl | 1 x 105 | 1 x 101 |
| 14. | 37Ar | 1 x 108 | 1 x 106 |
| 15. | 41Ar | 1 x 109 | 1 x 102 |
| 16. | 40K | 1 x 106 | 1 x 102 |
| 17. | 42K | 1 x 106 | 1 x 102 |
| 18. | 43K | 1 x 106 | 1 x 101 |
| 19. | 45Ca | 1 x 107 | 1 x 104 |
| 20. | 47Ca | 1 x 106 | 1 x 101 |
| 21. | 46Sc | 1 x 106 | 1 x 101 |
| 22. | 47Sc | 1 x 106 | 1 x 102 |
| 23. | 48Sc | 1 x 105 | 1 x 101 |
| 24. | 48V | 1 x 105 | 1 x 101 |
| 25. | 51Cr | 1 x 107 | 1 x 103 |
| 26. | 51Mn | 1 x 105 | 1 x 101 |
| 27. | 52Mn | 1 x 105 | 1 x 101 |
| 28. | 52mMn | 1 x 105 | 1 x 101 |
| 29. | 53Mn | 1 x 109 | 1 x 104 |
| 30. | 54Mn | 1 x 106 | 1 x 101 |
| 31. | 56Mn | 1 x 105 | 1 x 101 |
| 32. | 52Fe | 1 x 106 | 1 x 101 |
| 33. | 55Fe | 1 x 106 | 1 x 104 |
| 34. | 59Fe | 1 x 106 | 1 x 101 |
| 35. | 55Co | 1 x 106 | 1 x 101 |
| 36. | 56Co | 1 x 105 | 1 x 101 |
| 37. | 57Co | 1 x 106 | 1 x 102 |
| 38. | 58Co | 1 x 106 | 1 x 101 |
| 39. | 58mCo | 1 x 107 | 1 x 104 |
| 40. | 60Co | 1 x 105 | 1 x 101 |
| 41. | 60mCo | 1 x 106 | 1 x 103 |
| 42. | 61Co | 1 x 106 | 1 x 102 |
| 43. | 62mCo | 1 x 105 | 1 x 101 |
| 44. | 59Ni | 1 x 108 | 1 x 104 |
| 45. | 63Ni | 1 x 108 | 1 x 105 |
| 46. | 65Ni | 1 x 106 | 1 x 101 |
| 47. | 64Cu | 1 x 106 | 1 x 102 |
| 48. | 65Zn | 1 x 106 | 1 x 101 |
| 49. | 69Zn | 1 x 106 | 1 x 104 |
| 50. | 69mZn | 1 x 106 | 1 x 102 |
| 51. | 72Ga | 1 x 105 | 1 x 101 |
| 52. | 71Ge | 1 x 108 | 1 x 104 |
| 53. | 73As | 1 x 107 | 1 x 103 |
| 54. | 74As | 1 x 106 | 1 x 101 |
| 55. | 76As | 1 x 105 | 1 x 102 |
| 56. | 77As | 1 x 106 | 1 x 103 |
| 57. | 75Se | 1 x 106 | 1 x 102 |
| 58. | 82Br | 1 x 106 | 1 x 101 |
| 59. | 74Kr | 1 x 109 | 1 x 102 |
| 60. | 76Kr | 1 x 109 | 1 x 102 |
| 61. | 77Kr | 1 x 109 | 1 x 102 |
| 62. | 79Kr | 1 x 105 | 1 x 103 |
| 63. | 81Kr | 1 x 107 | 1 x 104 |
| 64. | 83mKr | 1 x 1012 | 1 x 105 |
| 65. | 85Kr | 1 x 104 | 1 x 105 |
| 66. | 85mKr | 1 x 1010 | 1 x 103 |
| 67. | 87Kr | 1 x 109 | 1 x 102 |
| 68. | 88Kr | 1 x 109 | 1 x 102 |
| 69. | 86Rb | 1 x 105 | 1 x 102 |
| 70. | 85Sr | 1 x 106 | 1 x 102 |
| 71. | 85mSr | 1 x 107 | 1 x 102 |
| 72. | 87mSr | 1 x 106 | 1 x 102 |
| 73. | 89Sr | 1 x 106 | 1 x 103 |
| 74. | 90Sr+ | 1 x 104 | 1 x 102 |
| 75. | 91Sr | 1 x 105 | 1 x 101 |
| 76. | 92Sr | 1 x 106 | 1 x 101 |
| 77. | 90Y | 1 x 105 | 1 x 103 |
| 78. | 91Y | 1 x 106 | 1 x 103 |
| 79. | 91mY | 1 x 106 | 1 x 102 |
| 80. | 92Y | 1 x 105 | 1 x 102 |
| 81. | 93Y | 1 x 105 | 1 x 102 |
| 82. | 93Zr+ | 1 x 107 | 1 x 103 |
| 83. | 95Zr | 1 x 106 | 1 x 101 |
| 84. | 97Zr+ | 1 x 105 | 1 x 101 |
| 85. | 93mNb | 1 x 107 | 1 x 104 |
| 86. | 94Nb | 1 x 106 | 1 x 101 |
| 87. | 95Nb | 1 x 106 | 1 x 101 |
| 88. | 97Nb | 1 x 106 | 1 x 101 |
| 89. | 98Nb | 1 x 105 | 1 x 101 |
| 90. | 90Mo | 1 x 106 | 1 x 101 |
| 91. | 93Mo | 1 x 108 | 1 x 103 |
| 92. | 99Mo | 1 x 106 | 1 x 102 |
| 93. | 101Mo | 1 x 106 | 1 x 101 |
| 94. | 96Tc | 1 x 106 | 1 x 101 |
| 95. | 96mTc | 1 x 107 | 1 x 103 |
| 96. | 97Tc | 1 x 108 | 1 x 103 |
| 97. | 97mTc | 1 x 107 | 1 x 103 |
| 98. | 99Tc | 1 x 107 | 1 x 104 |
| 99. | 99mTc | 1 x 107 | 1 x 102 |
| 100. | 97Ru | 1 x 107 | 1 x 102 |
| 101. | 103Ru | 1 x 106 | 1 x 102 |
| 102. | 105Ru | 1 x 106 | 1 x 101 |
| 103. | 106Ru+ | 1 x 105 | 1 x 102 |
| 104. | 103mRh | 1 x 108 | 1 x 104 |
| 105. | 105Rh | 1 x 107 | 1 x 102 |
| 106. | 103Pd | 1 x 108 | 1 x 103 |
| 107. | 109Pd | 1 x 106 | 1 x 103 |
| 108. | 105Ag | 1 x 106 | 1 x 102 |
| 109. | 108mAg+ | 1 x 106 | 1 x 101 |
| 110. | 110mAg | 1 x 106 | 1 x 101 |
| 111. | 111Ag | 1 x 106 | 1 x 103 |
| 112. | 109Cd | 1 x 106 | 1 x 104 |
| 113. | 115Cd | 1 x 106 | 1 x 102 |
| 114. | 115mCd | 1 x 106 | 1 x 103 |
| 115. | 111In | 1 x 106 | 1 x 102 |
| 116. | 113mIn | 1 x 106 | 1 x 102 |
| 117. | 114mIn | 1 x 106 | 1 x 102 |
| 118. | 115mIn | 1 x 106 | 1 x 102 |
| 119. | 113Sn | 1 x 107 | 1 x 103 |
| 120. | 125Sn | 1 x 105 | 1 x 102 |
| 121. | 122Sb | 1 x 104 | 1 x 102 |
| 122. | 124Sb | 1 x 106 | 1 x 101 |
| 123. | 125Sb | 1 x 106 | 1 x 102 |
| 124. | 123mTe | 1 x 107 | 1 x 102 |
| 125. | 125mTe | 1 x 107 | 1 x 103 |
| 126. | 127Te | 1 x 106 | 1 x 103 |
| 127. | 127mTe | 1 x 107 | 1 x 103 |
| 128. | 129Te | 1 x 106 | 1 x 102 |
| 129. | 129mTe | 1 x 106 | 1 x 103 |
| 130. | 131Te | 1 x 105 | 1 x 102 |
| 131. | 131mTe | 1 x 106 | 1 x 101 |
| 132. | 132Te | 1 x 107 | 1 x 102 |
| 133. | 133Te | 1 x 105 | 1 x 101 |
| 134. | 133mTe | 1 x 105 | 1 x 101 |
| 135. | 134Te | 1 x 106 | 1 x 101 |
| 136. | 123I | 1 x 107 | 1 x 102 |
| 137. | 125I | 1 x 106 | 1 x 103 |
| 138. | 126I | 1 x 106 | 1 x 102 |
| 139. | 129I | 1 x 105 | 1 x 102 |
| 140. | 130I | 1 x 106 | 1 x 101 |
| 141. | 131I | 1 x 106 | 1 x 102 |
| 142. | 132I | 1 x 105 | 1 x 101 |
| 143. | 133I | 1 x 106 | 1 x 101 |
| 144. | 134I | 1 x 105 | 1 x 101 |
| 145. | 135I | 1 x 106 | 1 x 101 |
| 146. | 131mXe | 1 x 104 | 1 x 104 |
| 147. | 133Xe | 1 x 104 | 1 x 103 |
| 148. | 135Xe | 1 x 1010 | 1 x 103 |
| 149. | 129Cs | 1 x 105 | 1 x 102 |
| 150. | 131Cs | 1 x 106 | 1 x 103 |
| 151. | 132Cs | 1 x 105 | 1 x 101 |
| 152. | 134mCs | 1 x 105 | 1 x 103 |
| 153. | 134Cs | 1 x 104 | 1 x 101 |
| 154. | 135Cs | 1 x 107 | 1 x 104 |
| 155. | 136Cs | 1 x 105 | 1 x 101 |
| 156. | 137Cs+ | 1 x 104 | 1 x 101 |
| 157. | 138Cs | 1 x 104 | 1 x 101 |
| 158. | 131Ba | 1 x 106 | 1 x 102 |
| 159. | 140Ba+ | 1 x 105 | 1 x 101 |
| 160. | 140La | 1 x 105 | 1 x 101 |
| 161. | 139Ce | 1 x 106 | 1 x 102 |
| 162. | 141Ce | 1 x 107 | 1 x 102 |
| 163. | 143Ce | 1 x 106 | 1 x 102 |
| 164. | 144Ce+ | 1x 105 | 1 x 102 |
| 165. | 142Pr | 1 x 105 | 1 x 102 |
| 166. | 143Pr | 1 x 106 | 1 x 104 |
| 167. | 147Nd | 1 x 106 | 1 x 102 |
| 168. | 149Nd | 1 x 106 | 1 x 102 |
| 169. | 147Pm | 1 x 107 | 1 x 104 |
| 170. | 149Pm | 1 x 106 | 1 x 103 |
| 171. | 151Sm | 1 x 108 | 1 x 104 |
| 172. | 153Sm | 1 x 106 | 1 x 102 |
| 173. | 152Eu | 1 x 106 | 1 x 101 |
| 174. | 152mEu | 1 x 106 | 1 x 102 |
| 175. | 154Eu | 1 x 106 | 1 x 101 |
| 176. | 155Eu | 1 x 107 | 1 x 102 |
| 177. | 153Gd | 1 x 107 | 1 x 102 |
| 178. | 159Gd | 1 x 106 | 1 x 103 |
| 179. | 160Tb | 1 x 106 | 1 x 101 |
| 180. | 165Dy | 1 x 106 | 1 x 103 |
| 181. | 166Dy | 1 x 106 | 1 x 103 |
| 182. | 166Ho | 1 x 105 | 1 x 103 |
| 183. | 169Er | 1 x 107 | 1 x 104 |
| 184. | 171Er | 1 x 106 | 1 x 102 |
| 185. | 170Tm | 1 x 106 | 1 x 103 |
| 186. | 171Tm | 1 x 108 | 1 x 104 |
| 187. | 175Yb | 1 x 107 | 1 x 103 |
| 188. | 177Lu | 1 x 107 | 1 x 103 |
| 189. | 181Hf | 1 x 106 | 1 x 101 |
| 190. | 182Ta | 1 x 104 | 1 x 101 |
| 191. | 181W | 1 x 107 | 1 x 103 |
| 192. | 185W | 1 x 107 | 1 x 104 |
| 193. | 187W | 1 x 106 | 1 x 102 |
| 194. | 186Re | 1 x 106 | 1 x 103 |
| 195. | 188Re | 1 x 105 | 1 x 102 |
| 196. | 185Os | 1 x 106 | 1 x 101 |
| 197. | 191Os | 1 x 107 | 1 x 102 |
| 198. | 191mOs | 1 x 107 | 1 x 103 |
| 199. | 193Os | 1 x 106 | 1 x 102 |
| 200. | 190Ir | 1 x 106 | 1 x 101 |
| 201. | 192Ir | 1 x 104 | 1 x 101 |
| 202. | 194Ir | 1 x 105 | 1 x 102 |
| 203. | 191Pt | 1 x 106 | 1 x 102 |
| 204. | 193mPt | 1 x 107 | 1 x 103 |
| 205. | 197Pt | 1 x 106 | 1 x 103 |
| 206. | 197mPt | 1 x 106 | 1 x 102 |
| 207. | 198Au | 1 x 106 | 1 x 102 |
| 208. | 199Au | 1 x 106 | 1 x 102 |
| 209. | 197Hg | 1 x 107 | 1 x 102 |
| 210. | 197mHg | 1 x 106 | 1 x 102 |
| 211. | 203Hg | 1 x 105 | 1 x 102 |
| 212. | 200Tl | 1 x 106 | 1 x 101 |
| 213. | 201Tl | 1 x 106 | 1 x 102 |
| 214. | 202Tl | 1 x 106 | 1 x 102 |
| 215. | 204Tl | 1 x 104 | 1 x 104 |
| 216. | 203Pb | 1 x 106 | 1 x 102 |
| 217. | 210Pb+ | 1 x 104 | 1 x 101 |
| 218. | 212Pb+ | 1 x 105 | 1 x 101 |
| 219. | 206Bi | 1 x 105 | 1 x 101 |
| 220. | 207Bi | 1 x 106 | 1 x 101 |
| 221. | 210Bi | 1 x 106 | 1 x 103 |
| 222. | 212Bi+ | 1 x 105 | 1 x 101 |
| 223. | 203Po | 1 x 106 | 1 x 101 |
| 224. | 205Po | 1 x 106 | 1 x 101 |
| 225. | 207Po | 1 x 106 | 1 x 101 |
| 226. | 210Po | 1 x 104 | 1 x 101 |
| 227. | 211At | 1 x 107 | 1 x 103 |
| 228. | 220Rn+ | 1 x 107 | 1 x 104 |
| 229. | 222Rn+ | 1 x 108 | 1 x 101 |
| 230. | 223Ra+ | 1 x 105 | 1 x 102 |
| 231. | 224Ra+ | 1 x 105 | 1 x 101 |
| 232. | 225Ra | 1 x 105 | 1 x 102 |
| 233. | 226Ra+ | 1 x 104 | 1 x 101 |
| 234. | 227Ra | 1 x 106 | 1 x 102 |
| 235. | 228Ra+ | 1 x 105 | 1 x 101 |
| 236. | 228Ac | 1 x 106 | 1 x 101 |
| 237. | 226Th+ | 1 x 107 | 1 x 103 |
| 238. | 227Th | 1 x 104 | 1 x 101 |
| 239. | 228Th+ | 1 x 104 | 1 x 100 |
| 240. | 229Th+ | 1 x 103 | 1 x 100 |
| 241. | 230Th | 1 x 104 | 1 x 100 |
| 242. | 231Th | 1 x 107 | 1 x 103 |
| 243. | dab. th (232Th) | 1 x 103 | 1 x 100 |
| 244. | 234Th+ | 1 x 105 | 1 x 103 |
| 245. | 230Pa | 1 x 106 | 1 x 101 |
| 246. | 231Pa | 1 x 103 | 1 x 100 |
| 247. | 233Pa | 1 x 107 | 1 x 102 |
| 248. | 230U+ | 1 x 105 | 1 x 101 |
| 249. | 231U | 1 x 107 | 1 x 102 |
| 250. | 232U+ | 1 x 103 | 1 x 100 |
| 251. | 233U | 1 x 104 | 1 x 101 |
| 252. | 234U | 1 x 104 | 1 x 101 |
| 253. | 235U+ | 1 x 104 | 1 x 101 |
| 254. | 236U | 1 x 104 | 1 x 101 |
| 255. | 237U | 1 x 106 | 1 x 102 |
| 256. | 238U+ | 1 x 104 | 1 x 101 |
| 257. | dab.U | 1 x 103 | 1 x 100 |
| 258. | 239U | 1 x 106 | 1 x 102 |
| 259. | 240U | 1 x 107 | 1 x 103 |
| 260. | 240U+ | 1 x 106 | 1 x 101 |
| 261. | 237Np+ | 1 x 103 | 1 x 100 |
| 262. | 239Np | 1 x 107 | 1 x 102 |
| 263. | 240Np | 1 x 106 | 1 x 101 |
| 264. | 234Pu | 1 x 107 | 1 x 102 |
| 265. | 235Pu | 1 x 107 | 1 x 102 |
| 266. | 236Pu | 1 x 104 | 1 x 101 |
| 267. | 237Pu | 1 x 107 | 1 x 103 |
| 268. | 238Pu | 1 x 104 | 1 x 100 |
| 269. | 239Pu | 1 x 104 | 1 x 100 |
| 270. | 240Pu | 1 x 103 | 1 x 100 |
| 271. | 241Pu | 1 x 105 | 1 x 102 |
| 272. | 242Pu | 1 x 104 | 1 x 100 |
| 273. | 243Pu | 1 x 107 | 1 x 103 |
| 274. | 244Pu | 1 x 104 | 1 x 100 |
| 275. | 241Am | 1 x 104 | 1 x 100 |
| 276. | 242Am | 1 x 106 | 1 x 103 |
| 277. | 242mAm+ | 1 x 104 | 1 x 100 |
| 278. | 243Am+ | 1 x 103 | 1 x 100 |
| 279. | 242Cm | 1 x 105 | 1 x 102 |
| 280. | 243Cm | 1 x 104 | 1 x 100 |
| 281. | 244Cm | 1 x 104 | 1 x 101 |
| 282. | 245Cm | 1 x 103 | 1 x 100 |
| 283. | 246Cm | 1 x 103 | 1 x 100 |
| 284. | 247Cm | 1 x 104 | 1 x 100 |
| 285. | 248Cm | 1 x 103 | 1 x 100 |
| 286. | 249Bk | 1 x 106 | 1 x 103 |
| 287. | 246Cf | 1 x 106 | 1 x 103 |
| 288. | 248Cf | 1 x 104 | 1 x 101 |
| 289. | 249Cf | 1 x 103 | 1 x 100 |
| 290. | 250Cf | 1 x 104 | 1 x 101 |
| 291. | 251Cf | 1 x 103 | 1 x 100 |
| 292. | 252Cf | 1 x 104 | 1 x 101 |
| 293. | 253Cf | 1 x 105 | 1 x 102 |
| 294. | 254Cf | 1 x 103 | 1 x 100 |
| 295. | 253Es | 1 x 105 | 1 x 102 |
| 296. | 254Es | 1 x 104 | 1 x 101 |
| 297. | 254mEs | 1 x 106 | 1 x 102 |
| 298. | 254Fm | 1 x 107 | 1 x 104 |
| 299. | 255Fm | 1 x 106 | 1 x 103 |

Piezīme. 1 Ar zīmi "+" vai "dab." apzīmē mātes nuklīdu līdzsvarā ar attiecīgajiem meitas nuklīdiem, kas norādīti Ministru kabineta 2021. gada 28. janvāra noteikumu Nr. 65 "Darbību ar jonizējošā starojuma avotiem paziņošanas, reģistrēšanas un licencēšanas noteikumi" 2. pielikumā.

Vides aizsardzības un

reģionālās attīstības ministrs A. T. Plešs