

Reference values (RV₉₅)

for aromatic amines in urine [2011]

Parameter	Population group	Study period	RV ₉₅ *
Aniline	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	14.5 µg/l
o-Toluidine	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	0.20 µg/l
m-Toluidine	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	0.25 µg/l
p-Toluidine	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	1.25 µg/l
o-Anisidine	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	1.10 µg/l
3-Chloraniline	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	0.25 µg/l
4-Chloraniline	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	1.00 µg/l
3,5-Dichloraniline	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	4.30 µg/l
3,4-Dichloraniline	Non-smoking adults ¹ (not a strictly representative sample)	2003- 2004	0.45 µg/l

[xy] date of publication:

http://www.umweltdaten.de/gesundheit/hbm/monocyklische_aminoaromaten.pdf [in German]

* when applying RV₉₅ the analytical uncertainty must be taken into account

¹ Source: Kütting B, Göen T, Schwegler U, Fromme H, Uter W, Angerer J et al. (2009) Monoarylamines in the general population - A cross-sectional population-based study including 1004 bavarian subjects. Int J Hyg Environ Health 212(3): 298-309

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