

Table 2 Lowest POD for PFAS based on liver effects - PFSAs

In this guide

[In this guide](#)

1. [Introduction, Background and Literature Search - PFAS/2023/06](#)
2. [In vivo liver toxicity studies - PFAS/2023/06](#)
3. [Endpoints Investigated and Summary of Results - PFAS/2023/06](#)
4. [Liver Weight - PFAS/2023/06](#)
5. [Clinical chemistry- PFAS/2023/06](#)
6. [Liver histopathology - PFAS/2023/06](#)
7. [Effects on gene expression - PFAS/2023/06](#)
8. [Serum/plasma PFAS levels - PFAS/2023/06](#)
9. [Discussion - PFAS/2023/06](#)
10. [Table 1 Lowest POD for PFAS based on liver effects - PFCAs](#)
11. [Table 2 Lowest POD for PFAS based on liver effects - PFSAs](#)
12. [Questions on which the views of the Committee are sought - PFAS/2023/06](#)
13. [List of Abbreviations - PFAS/2023/06](#)
14. [References - PFAS/2023/06](#)

This is a paper for discussion. This does not represent the views of the Committee and should not be cited.

*Derived by contractor; NA – not applicable.

Substance / reference / table	Sex, strain and species (Duration)	NOAEL/LOAEL mg/kg bw/day	Effect at LOAEL
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PFBS	Male C57BL/6 mice,	Males: 2 / 104.	↑ apoptosis
Chen et al. (2022)	28 days.		↓ CAT activity
Table 17			Changes in hepatic lipidome.
PFHxS	Male Crl:CD®(SD)	Males: NA / 0.3.	
Butenhoff et al. (2009)	IGS BR VAF/Plus®		↓ serum cholesterol,
Table 18	42 days.		↑ centrilobular hypertrophy.
Chang et al. (2018)	Male Crl:CD1 mice		
Table 18	42 days.		
			Male
			↑ hepatocellular centrilobular hypertrophy
PFOS	Male and female Crl:CD®(SD)		↑ cystic hepatocellular
Butenhoff et al. (2012b)	IGS BR rats,	Males/females: 0.024 / 0.098.	Degeneration.
Table 19	104 weeks.		Female
			↑ hepatocellular periportal vacuolation
			↓ serum total cholesterol.