

POLARIMETER SAMPLES



Sorted by value		Alphabetical order			
α [°]	SAMPLES	T [°C]	λ [nm]	SAMPLES	α [°]
Substances measured with a wavelength of 589 nm					
- 0.1° → + 0.1°	Octyldodecanol	20	589	Aconitine	+ 14° → + 19°
- 0.5° → + 0.1°	Atropine sulfate	20	589	(L)-Ascorbic acid	+ 22°
+ 1.5° → + 3.5°	Sorbitol solution	20	589	Atropine sulfate	- 0.5° → + 0.1°
+ 2.6°	(L)-Lactic acid	20	589	(D)-2-Bromobutane	+ 23.1°
- 2.6°	(D)-Lactic acid	20	589	(L)-2-Bromobutane	- 23.1°
+ 4° → + 7°	Sorbitol	20	589	Campher	+ 54.4°
+ 12.4°	(D)-Tartaric acid	20	589	(D)-Carvone (Spearmint)	- 61°
- 12.4°	(L)-Tartaric acid	20	589	(L)-Carvone (Caraway)	+ 61°
+ 14° → + 19°	Aconitine	20	589	(+)-Cavicularin	+ 168.2°
+ 18° → + 22°	Folic acid	20	589	Cholesterol	- 31.5°
+ 19.5° → + 22°	Dextroamphetamine solution 8 %	20	589	Dextroamphetamine solution 4 %	+ 20° → + 23.5°
- 19.7°	Inverted sugar	20	589	Dextroamphetamine solution 8 %	+ 19.5° → + 22°
+ 20° → + 23.5°	Dextroamphetamine solution 4 %	20	589	Dexpanthenol	+ 29° → + 32°
+ 22°	(L)-Ascorbic acid	20	589	Folic acid	+ 18° → + 22°
+ 23.1°	(D)-2-Bromobutane	20	589	D(-)-Fructose	- 89.5°
- 23.1°	(L)-2-Bromobutane	20	589	Globoli Sacchari	+ 66.3 → + 67°
+ 29° → + 32°	Dexpanthenol	20	589	D(+)-Glucose	+ 52.5°
- 31.5°	Cholesterol	20	589	Hydrocortisone	+ 168°
- 32° → - 29°	Levocarnitine	20	589	Hydrocortisone acetate	+ 167°
- 34° → - 16°	Mint oil	20	589	Inverted sugar	- 19.7°
- 47° → - 43°	(-)-Phenylephrine hydrochloride	20	589	(D)-Lactic acid	- 2.6°
- 49°	Paclitaxel (Taxol)	20	589	(L)-Lactic acid	+ 2.6°
+ 52°	Vitamin D (in Chloroform)	20	589	D(+)-Lactose	+ 52.3°
+ 52.3°	D(+)-Lactose	20	589	Levocarnitine	- 32° → - 29°
+ 52.5°	D(+)-Glucose	20	589	D(+)-Limonene	+ 125.6°
+ 54.4°	Campher	20	589	Mint oil	- 34° → - 16°
- 61°	(D)-Carvone (Spearmint)	20	589	Octyldodecanol	- 0.1° → + 0.1°



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α [°]	SAMPLES	T [°C]	λ [nm]	SAMPLES	α [°]
Substances measured with a wavelength of 589 nm					
+ 61°	(L)-Carvone (Caraway)	20	589	Orange peel oil	+ 95°
+ 66.5°	D(+)-Saccharose	20	589	Paclitaxel (Taxol)	- 49°
+ 66.3 → + 67°	Globoli Sacchari	20	589	Penicillin V	+ 223°
+ 82.6°	Vitamin D (in Acetone)	20	589	(-)-Phenylephrine hydrochloride	- 47° → - 43°
- 89.5°	D(-)-Fructose	20	589	D(+)-Saccharose	- 66.5°
+ 95°	Orange peel oil	20	589	Sorbitol solution	+ 1.5° → + 3.5°
+ 102.5°	Vitamin D (in Ethanol)	20	589	Sorbitol	+ 4° → + 7°
+ 125.6°	D(+)-Limonene	20	589	(D)-Tartaric acid	+ 12.4°
+ 167°	Hydrocortisone acetate	20	589	(L)-Tartaric acid	- 12.4°
+ 168°	Hydrocortisone	20	589	Vitamin D (in Acetone)	+ 82.6°
+ 168.2°	(+)-Cavicularin	20	589	Vitamin D (in Chloroform)	+ 52°
+ 223°	Penicillin V	20	589	Vitamin D (in Ethanol)	+ 102.5°
Substances measured with other wavelengths than 589 nm					
- 5.2° → - 4.6°	Iopamidol	20	436	Iopamidol	- 5.2° → - 4.6°
- 12.5° → - 11.7°	Timolol maleate	20	405	Metaraminol bitartrate	- 33.5° → - 31.5°
- 14.9 → - 13.5°	Methyldopate hydrochloride	20	405	Methyldopate hydrochloride	- 14.9 → - 13.5°
- 33.5° → - 31.5°	Metaraminol bitartrate	20	405 546	Metirosine (Metyrosine)	+ 185° → + 195°
- 65° → - 56°	Vidarabine (sterile)	20	365	Physostigmine	- 246° → - 236°
+ 185° → +195°	Metirosine (Metyrosine)	20	546 405	Timolol maleate	- 12.5° → - 11.7°
- 246° → - 236°	Physostigmine	20	365	Vidarabine (sterile)	- 65° → - 56°

SAMPLES

The table presents an overview of samples that our customers typically measure with our polarimeters. Most of the samples were measured at polarimetric standard conditions ($T=20\text{ °C}$, $\lambda=589\text{ nm}$), deviations from the standard are displayed. The values should not be interpreted as specifications.

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