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NIST CERTIFIED CALIBRATION FLUID, 100 cP

OFI Part No. 132-80

LOT NO. 328903, Viscosity Standard: V5100, Issued: Jan 8 2024

°C	cP	kg/m ³	°C	cP	kg/m ³	°C	cP	kg/m ³	°C	cP	kg/m ³
20.0	107.2	968.3	25.0	96.5	963.8	30.0	87.3	959.4	35.0	79.2	954.9
20.1	106.9	968.2	25.1	96.3	963.7	30.1	87.1	959.3	35.1	79.1	954.8
20.2	106.7	968.1	25.2	96.1	963.6	30.2	86.9	959.2	35.2	78.9	954.7
20.3	106.5	968.0	25.3	95.9	963.6	30.3	86.7	959.1	35.3	78.8	954.7
20.4	106.3	967.9	25.4	95.7	963.5	30.4	86.6	959.0	35.4	78.6	954.6
20.5	106.0	967.8	25.5	95.5	963.4	30.5	86.4	958.9	35.5	78.5	954.5
20.6	105.8	967.7	25.6	95.3	963.3	30.6	86.2	958.8	35.6	78.3	954.4
20.7	105.6	967.7	25.7	95.1	963.2	30.7	86.1	958.7	35.7	78.2	954.3
20.8	105.4	967.6	25.8	94.9	963.1	30.8	85.9	958.7	35.8	78.0	954.2
20.9	105.1	967.5	25.9	94.7	963.0	30.9	85.7	958.6	35.9	77.9	954.1
21.0	104.9	967.4	26.0	94.5	962.9	31.0	85.6	958.5	36.0	77.7	954.0
21.1	104.7	967.3	26.1	94.4	962.8	31.1	85.4	958.4	36.1	77.6	953.9
21.2	104.5	967.2	26.2	94.2	962.8	31.2	85.2	958.3	36.2	77.4	953.8
21.3	104.3	967.1	26.3	94.0	962.7	31.3	85.1	958.2	36.3	77.3	953.8
21.4	104.0	967.0	26.4	93.8	962.6	31.4	84.9	958.1	36.4	77.1	953.7
21.5	103.8	966.9	26.5	93.6	962.5	31.5	84.7	958.0	36.5	77.0	953.6
21.6	103.6	966.9	26.6	93.4	962.4	31.6	84.6	957.9	36.6	76.8	953.5
21.7	103.4	966.8	26.7	93.2	962.3	31.7	84.4	957.9	36.7	76.7	953.4
21.8	103.2	966.7	26.8	93.0	962.2	31.8	84.2	957.8	36.8	76.6	953.3
21.9	102.9	966.6	26.9	92.8	962.1	31.9	84.1	957.7	36.9	76.4	953.2
22.0	102.7	966.5	27.0	92.6	962.0	32.0	83.9	957.6	37.0	76.3	953.1
22.1	102.5	966.4	27.1	92.5	962.0	32.1	83.7	957.5	37.1	76.1	953.0
22.2	102.3	966.3	27.2	92.3	961.9	32.2	83.6	957.4	37.2	76.0	953.0
22.3	102.1	966.2	27.3	92.1	961.8	32.3	83.4	957.3	37.3	75.8	952.9
22.4	101.9	966.1	27.4	91.9	961.7	32.4	83.3	957.2	37.4	75.7	952.8
22.5	101.6	966.1	27.5	91.7	961.6	32.5	83.1	957.1	37.5	75.6	952.7
22.6	101.4	966.0	27.6	91.5	961.5	32.6	82.9	957.1	37.6	75.4	952.6
22.7	101.2	965.9	27.7	91.3	961.4	32.7	82.8	957.0	37.7	75.3	952.5
22.8	101.0	965.8	27.8	91.2	961.3	32.8	82.6	956.9	37.8	75.1	952.4
22.9	100.8	965.7	27.9	91.0	961.2	32.9	82.5	956.8	37.9	75.0	952.3
23.0	100.6	965.6	28.0	90.8	961.2	33.0	82.3	956.7	38.0	74.9	952.2
23.1	100.4	965.5	28.1	90.6	961.1	33.1	82.1	956.6	38.1	74.7	952.2
23.2	100.2	965.4	28.2	90.4	961.0	33.2	82.0	956.5	38.2	74.6	952.1
23.3	100.0	965.3	28.3	90.3	960.9	33.3	81.8	956.4	38.3	74.4	952.0
23.4	99.8	965.3	28.4	90.1	960.8	33.4	81.7	956.3	38.4	74.3	951.9
23.5	99.5	965.2	28.5	89.9	960.7	33.5	81.5	956.3	38.5	74.2	951.8
23.6	99.3	965.1	28.6	89.7	960.6	33.6	81.3	956.2	38.6	74.0	951.7
23.7	99.1	965.0	28.7	89.5	960.5	33.7	81.2	956.1	38.7	73.9	951.6
23.8	98.9	964.9	28.8	89.4	960.4	33.8	81.0	956.0	38.8	73.7	951.5
23.9	98.7	964.8	28.9	89.2	960.4	33.9	80.9	955.9	38.9	73.6	951.4
24.0	98.5	964.7	29.0	89.0	960.3	34.0	80.7	955.8	39.0	73.5	951.4
24.1	98.3	964.6	29.1	88.8	960.2	34.1	80.6	955.7	39.1	73.3	951.3
24.2	98.1	964.5	29.2	88.6	960.1	34.2	80.4	955.6	39.2	73.2	951.2
24.3	97.9	964.4	29.3	88.5	960.0	34.3	80.3	955.5	39.3	73.1	951.1
24.4	97.7	964.4	29.4	88.3	959.9	34.4	80.1	955.5	39.4	72.9	951.0
24.5	97.5	964.3	29.5	88.1	959.8	34.5	80.0	955.4	39.5	72.8	950.9
24.6	97.3	964.2	29.6	87.9	959.7	34.6	79.8	955.3	39.6	72.7	950.8
24.7	97.1	964.1	29.7	87.8	959.6	34.7	79.7	955.2	39.7	72.5	950.7
24.8	96.9	964.0	29.8	87.6	959.5	34.8	79.5	955.1	39.8	72.4	950.6
24.9	96.7	963.9	29.9	87.4	959.5	34.9	79.4	955.0	39.9	72.3	950.6

	A=	B=	C=	D=
Viscosity (cP)	-0.00030051	0.05098869	-3.97059462	168.59617722
Density (kg/m3)	-0.89077922	986.09480519		

Viscosity (cP) = A(T)³ + B(T)² + C(T) + D (T) is in °C

Density (kg/m3) = A(T) + B (T) is in °C