

### 주요액체의 농도, 온도별 비중 일람표

액 명	분자식	액 온 (°C)	농도 및 비중
질산	HNO <sub>3</sub>	15	5%=1.03, 10%=1.06, 17%=1.1, 32%=1.2, 65%=1.4, 94%=1.5
염산	HCl	15	5%=1.025, 10%=1.05, 20%=1.1, 30%=1.15, 38%=1.195
인산	H <sub>3</sub> PO <sub>4</sub>	20	10%=1.05, 35%=1.2, 50%=1.33, 60%=1.42, 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8, 100%=1.87
플루오르화수소	HF	20	10%=1.036, 20%=1.07, 30%=1.10, 48%=1.150
염소산	HClO <sub>3</sub>	18	5%=1.03, 10%=1.058, 18%=1.11, 24%=1.156, 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8, 100%=1.87
아황산	H <sub>2</sub> SO <sub>3</sub>	15	6%=1.029, 10%=1.049
과염소산	HClO <sub>4</sub>	15	6%=1.034, 10%=1.059, 18%=1.11, 30%=1.2, 45%=1.35, 50%=1.41, 60%=1.53, 65%=1.60, 70%=1.67
요오드산	HIO <sub>3</sub>	18	6%=1.05, 12%=1.11, 20%=1.22, 30%=1.32, 35%=1.39, 40%=1.46
과요오드산	HIO <sub>4</sub>	17	5%=1.04, 8%=1.07, 12%=1.11, 20%=1.21, 28%=1.32, 32%=1.38
크롬산무수물	CrO <sub>3</sub>	15	4%=1.030, 10%=1.076, 14%=1.11, 24%=1.2, 35%=1.31, 45%=1.43, 50%=1.50, 60%=1.66, 100%=1.92
수산화나트륨 (가성소다)	NaOH	15	2.5%=1.029, 6%=1.06, 9%=1.10, 15%=1.17, 18%=1.2, 28%=1.3, 38%=1.4, 48%=1.5, 50%=1.53
수산화칼륨 (가성칼리)	KOH	15	6%=1.05, 10%=1.08, 12%=1.1, 22%=1.32, 32%=1.3, 40%=1.4, 48%=1.5, 56%=1.6
암모니아	NH <sub>3</sub>	15	0.45%=0.998, 10%=0.95, 15%=0.94, 20%=0.92, 30%=0.89, 35%=0.88
황산	H <sub>2</sub> SO <sub>4</sub>	15	3%=1.02, 8%=1.05, 10%=1.07, 15%=1.105, 20%=1.145, 30%=1.225, 40%=1.31, 50%=1.4, 60%=1.51, 70%=1.615, 80%=1.74, 90%=1.82, 100%=1.84
황산동	CuSO <sub>4</sub>	20	1%=1.009, 4%=1.04, 6%=1.062, 10%=1.107, 14%=1.154, 18%=1.206
질산나트륨	NaNO <sub>3</sub>	20	10%=1.064, 20%=1.142, 30%=1.225, 40%=1.317

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인산나트륨	NaPO <sub>4</sub>	15	2%=1.019, 35%=1.2, 50%=1.33, 60%=1.42 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8 100%=1.99
인산수소나트륨	Na <sub>2</sub> HPO <sub>4</sub>	18	1%=1.009, 2%=1.020, 4%=1.043, 6%=1.067 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8 100%=1.100
피로인산	Na <sub>2</sub> P <sub>2</sub> O <sub>7</sub>	20	1%=1.009, 2%=1.019, 3%=1.028, 4%=1.037 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8 100%=1.101
크롬산나트륨	Na <sub>2</sub> CrO <sub>4</sub>	18	10%=1.09, 16%=1.05, 20%=1.194, 26%=1.26
중크롬산나트륨 (피로크롬산)	Na <sub>2</sub> Cr <sub>2</sub> O <sub>4</sub>	15	10%=1.07, 22%=1.153, 30%=1.207, 35%=1.244 40%=1.279, 50%=1.342
황산칼륨	K <sub>2</sub> SO <sub>4</sub>	20	2%=1.014, 5%=1.039, 8%=1.064, 10%=1.081 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8 100%=1.104
테트라붕산나트륨	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	20	0.5%=1.004, 1%=1.008, 2%=1.017, 3.5%=1.032
염화칼륨	KCl	20	5%=1.03, 10%=1.06, 15%=1.097, 20%=1.132 24%=1.162
옥화칼륨	KI	20	10%=1.067, 20%=1.166, 30%=1.271, 40%=1.395 50%=1.545, 60%=1.73
질산칼륨	KNO <sub>3</sub>	20	5%=1.029, 10%=1.062, 18%=1.118, 24%=1.162
시아나화칼륨	KCN	20	4%=1.019, 8%=1.04, 12%=1.061, 18%=1.093
과망간산칼륨	KMnO <sub>4</sub>	15	2%=1.013, 4%=1.027, 10%=1.041
플루오트화암모늄	NH <sub>4</sub> F	18	2%=1.008, 4%=1.0178, 10%=1.042
황산크롬	Cr <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	15	10%=1.103, 16%=1.172, 20%=1.221, 28%=1.332
황산크롬칼륨	CrK(SO <sub>4</sub> ) <sub>2</sub>	15	10%=1.089, 20%=1.193, 30%=1.315, 40%=1.456
황산망간	MnSO <sub>4</sub>	15	10%=1.102, 16%=1.1714, 20%=1.220, 26%=1.2997 30%=1.3565
염화제1철	FeCl <sub>2</sub>	18	10%=1.092, 14%=1.1336, 20%=1.199, 25%=1.2596
염화제2철	FeCl <sub>3</sub>	20	10%=1.085, 16%=1.142, 20%=1.182, 30%=1.291 35%=1.353, 40%=1.417, 45%=1.485, 50%=1.551
황산제1철	FeSO <sub>4</sub>	18	10%=1.10, 12%=1.122, 16%=1.167, 20%=1.213
황산제2철	Fe(SO <sub>4</sub> ) <sub>3</sub>	17.5	10%=1.084, 12%=1.103, 25%=1.241, 30%=1.307 40%=1.449, 45%=1.528

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염산암모늄	NH <sub>4</sub> Cl	20	2%=1.0045, 10%=1.0286, 20%=1.056, 26%=1.0726
황산플루오르화수소	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	20	10%=1.057, 20%=1.1154, 30%=1.172, 40%=1.227 50%=1.2825
질산암모늄	NH <sub>4</sub> NO <sub>3</sub>	20	10%=1.039, 20%=1.082, 30%=1.127, 40%=1.175 50%=1.225, 55%=1.252
탄산암모늄	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	15	6%=1.05, 10%=1.2, 50%=1.33, 60%=1.42 70%=1.52, 80%=1.63, 90%=1.74, 95%=1.8 100%=1.122
황산칼슘	CaSO <sub>4</sub>	15	0.198%=1.0012
염화마그네슘	MgCl <sub>2</sub>	20	10%=1.08, 16%=1.134, 20%=1.17, 28%=1.248
황산마그네슘	MgSO <sub>4</sub>	20	6%=1.06, 10%=1.10, 16%=1.17, 22%=1.244 26%=1.2961
염화칼슘	CaCl <sub>2</sub>	20	10%=1.083, 20%=1.177, 30%=1.281, 40%=1.3957
질산칼슘	Ca(NO <sub>3</sub> ) <sub>2</sub>	18	10%=1.077, 20%=1.1636, 25%=1.211, 30%=1.259 35%=1.311
염화바륨	BaCl <sub>2</sub>	20	10%=1.092, 14%=1.134, 20%=1.203, 26%=1.279
황산알루미늄 (황산반토)	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	19	10%=1.105, 16%=1.176, 20%=1.266, 26%=1.306
황산알루미늄칼륨	AlK(SO <sub>4</sub> ) <sub>2</sub>	18	1%=1.0079, 2%=1.0174
옥시질산우란 (질산우라릴)	UO <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub>	25	10%=1.072, 14%=1.111, 22%=1.20, 30%=1.30 38%=1.42, 46%=1.559
플루오르화나트륨	NaF	18	1%=1.0092, 5%=1.0515
염화나트륨	NaCl	15	5%=1.036, 10%=1.074, 15%=1.127, 20%=1.1525 26%=1.202
황산나트륨	Na <sub>2</sub> SO <sub>4</sub>	10	1%=1.0089, 8%=1.0753
		25	8%=1.0701, 16%=1.1479, 22%=1.210
질산은	AgNO <sub>3</sub>	20	10%=1.088, 14%=1.1284, 20%=1.194, 30%=1.320 25%=1.393, 40%=1.474, 45%=1.565, 50%=1.686 55%=1.786, 60%=1.916
황산아연	ZnSO <sub>4</sub>	20	2%=1.019, 10%=1.107, 14%=1.155, 20%=1.232 25%=1.304, 30%=1.378