

# 1 Sample

Reference Entries:  $\text{Al}_2(\text{SO}_4)_3$ ,  $\text{H}_2\text{O}$ ,  $\text{C}_6\text{H}_{12}\text{O}_6$ ,  $\text{CH}_3\text{CH}_2\text{OH}$ ,  $\text{CH}_2\text{O}$ ,  $\text{OF}_2$ ,  $\text{O}_2\text{F}_2$ ,  $\text{SO}_4^{2-}$ ,  $\text{H}_3\text{O}^+$ ,  $\text{OH}^-$ ,  $\text{O}_2$ ,  $\text{AlF}_3$ ,  $\text{O}$ ,  $\text{Al}_2\text{CoO}_4$ ,  $\text{As}_4\text{S}_4$ ,  $\text{C}_{10}\text{H}_{10}\text{O}_4$ ,  $\text{C}_5\text{H}_4\text{NCOOH}$ ,  $\text{C}_8\text{H}_{10}\text{N}_4\text{O}_2$ ,  $\text{SO}_2$ ,  $\text{S}_2\text{O}_7^{2-}$ ,  $\text{SbBr}_3$ ,  $\text{Sc}_2\text{O}_3$ ,  $\text{Zr}_3(\text{PO}_4)_4$ ,  $\text{ZnF}_2$ .

## Glossary

### A

$\text{AlF}_3$	aluminium trifluoride
$\text{Al}_2(\text{SO}_4)_3$	aluminium sulfate
$\text{Al}_2\text{CoO}_4$	cobalt blue
$\text{As}_4\text{S}_4$	tetraarsenic tetrasulfide

### C

$\text{CH}_2\text{O}$	formaldehyde
$\text{CH}_3\text{CH}_2\text{OH}$	ethanol
$\text{C}_5\text{H}_4\text{NCOOH}$	niacin
$\text{C}_6\text{H}_{12}\text{O}_6$	glucose
$\text{C}_8\text{H}_{10}\text{N}_4\text{O}_2$	caffeine
$\text{C}_{10}\text{H}_{10}\text{O}_4$	ferulic acid

### H

$\text{H}_2\text{O}$	water
$\text{H}_3\text{O}^+$	hydronium

### O

$\text{O}$	oxygen
$\text{OF}_2$	oxygen difluoride
$\text{OH}^-$	hydroxide ion
$\text{O}_2$	dioxygen
$\text{O}_2\text{F}_2$	dioxygen difluoride

### S

$\text{SO}_2$	sulfur dioxide
$\text{SO}_4^{2-}$	sulfate
$\text{S}_2\text{O}_7^{2-}$	disulfate ion
$\text{SbBr}_3$	antimony(III) bromide
$\text{Sc}_2\text{O}_3$	scandium oxide

### Z

$\text{ZnF}_2$	zinc fluoride
$\text{Zr}_3(\text{PO}_4)_4$	zirconium phosphate