

# 1 Sample

Reference Entries: Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>, H<sub>2</sub>O, C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>, CH<sub>3</sub>CH<sub>2</sub>OH, CH<sub>2</sub>O, OF<sub>2</sub>, O<sub>2</sub>F<sub>2</sub>, SO<sub>4</sub><sup>2-</sup>, H<sub>3</sub>O<sup>+</sup>, OH<sup>-</sup>, O<sub>2</sub>, AlF<sub>3</sub>, O, Al<sub>2</sub>CoO<sub>4</sub>, As<sub>4</sub>S<sub>4</sub>, C<sub>10</sub>H<sub>10</sub>O<sub>4</sub>, C<sub>5</sub>H<sub>4</sub>NCOOH, C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>, SO<sub>2</sub>, S<sub>2</sub>O<sub>7</sub><sup>2-</sup>, SbBr<sub>3</sub>, Sc<sub>2</sub>O<sub>3</sub>, Zr<sub>3</sub>(PO<sub>4</sub>)<sub>4</sub>, ZnF<sub>2</sub>.

## Glossary

### A

AlF <sub>3</sub>	aluminium trifluoride
Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	aluminium sulfate
Al <sub>2</sub> CoO <sub>4</sub>	cobalt blue
As <sub>4</sub> S <sub>4</sub>	tetraarsenic tetrasulfide

### C

CH <sub>2</sub> O	formaldehyde
CH <sub>3</sub> CH <sub>2</sub> OH	ethanol
C <sub>5</sub> H <sub>4</sub> NCOOH	niacin
C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	glucose
C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>	caffeine
C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	ferulic acid

### H

H <sub>2</sub> O	water
H <sub>3</sub> O <sup>+</sup>	hydronium

### O

O	oxygen
OF <sub>2</sub>	oxygen difluoride
OH <sup>-</sup>	hydroxide ion
O <sub>2</sub>	dioxygen
O <sub>2</sub> F <sub>2</sub>	dioxygen difluoride

### S

SO <sub>2</sub>	sulfur dioxide
SO <sub>4</sub> <sup>2-</sup>	sulfate
S <sub>2</sub> O <sub>7</sub> <sup>2-</sup>	disulfate ion
SbBr <sub>3</sub>	antimony(III) bromide
Sc <sub>2</sub> O <sub>3</sub>	scandium oxide

### Z

ZnF <sub>2</sub>	zinc fluoride
Zr <sub>3</sub> (PO <sub>4</sub> ) <sub>4</sub>	zirconium phosphate