

# Disodium

**Inchi:** InChI=1S/2Na  
**InchiKey:** QXNVGIXVLWOKEQ-UHFFFAOYSA-N  
**Formula:** Na<sub>2</sub>  
**SMILES:** [Na][Na]  
**Mol. weight [g/mol]:** 45.98  
**CAS:** 25681-79-2

## Physical Properties

Property code	Value	Unit	Source
affp	1146.80	kJ/mol	NIST Webbook
basg	1118.20	kJ/mol	NIST Webbook
ea	0.43 ± 0.01	eV	NIST Webbook
ie	4.89 ± 0.00	eV	NIST Webbook
ie	4.89 ± 0.00	eV	NIST Webbook
ie	4.90 ± 0.00	eV	NIST Webbook
ie	4.91 ± 0.04	eV	NIST Webbook
ie	4.90 ± 0.01	eV	NIST Webbook
ie	4.89 ± 0.00	eV	NIST Webbook
ie	4.93 ± 0.01	eV	NIST Webbook
ie	4.87 ± 0.01	eV	NIST Webbook
ie	4.87 ± 0.01	eV	NIST Webbook
ie	4.90	eV	NIST Webbook
ie	4.80 ± 0.10	eV	NIST Webbook
ie	4.90 ± 0.10	eV	NIST Webbook
ie	4.90 ± 0.01	eV	NIST Webbook
ie	4.87	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C25681792&Units=SI>

# Legend

<b>affp:</b>	Proton affinity
<b>basg:</b>	Gas basicity
<b>ea:</b>	Electron affinity
<b>ie:</b>	Ionization energy

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