

# strontium

Inchi:	InChI=1S/Sr
InchiKey:	CIOAGBVUUVVLOB-UHFFFAOYSA-N
Formula:	Sr
SMILES:	[Sr]
Mol. weight [g/mol]:	87.62
CAS:	7440-24-6

## Physical Properties

Property code	Value	Unit	Source
ea	0.05 ± 0.00	eV	NIST Webbook
ea	0.05 ± 0.01	eV	NIST Webbook
ie	5.69 ± 0.00	eV	NIST Webbook
ie	5.69	eV	NIST Webbook
ie	5.50 ± 0.50	eV	NIST Webbook
ie	5.50 ± 0.30	eV	NIST Webbook
ie	5.50	eV	NIST Webbook
ie	5.70	eV	NIST Webbook
ie	5.69 ± 0.00	eV	NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.37170e+01
Coeff. B	-1.41118e+04
Coeff. C	-1.04180e+02
Temperature range (K), min.	796.15
Temperature range (K), max.	1655.15

# Sources

Thermochemistry of Potassium  
Strontium Tetraborate Decahydrated:  
Thermodynamic investigation of  
thorium and strontium substituted  
hexafluoroborate solution:  
NIST Webbook

<https://www.doi.org/10.1016/j.tca.2007.08.004>

<https://www.doi.org/10.1016/j.tca.2019.01.031>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7440246&Units=SI>

The Yaws Handbook of Vapor  
Pressure:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

## Legend

**ea:** Electron affinity  
**ie:** Ionization energy  
**pvap:** Vapor pressure

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<https://www.cheméo.com/cid/22-503-8/strontium.pdf>

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