

What is Pallas Air Quality Index?

Pallas AQI is calculated using an applied version of the USEPA index, the so-called Instant Cast version, where the AQI value is calculated from the latest measured hourly value of the pollutant.

The original classification has been expanded with three new classes for very low concentrations.

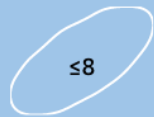
The Pallas Air Quality Index (AQI) takes into account the $PM_{2.5}$ and black carbon concentrations measured at the Pallas supersite.

The global comparison data ($PM_{2.5}$) is downloaded from the online webservice (<https://waqi.info/>).

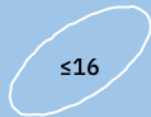
Measured concentrations
 $\mu\text{g}/\text{m}^3$

THE
PUREST
AIR

Pallas AQI	Classification	Black carbon	$PM_{2.5}$
0–8	The purest air in the world	0–0.25	0–1.8
8–16	Excellent	0.25–0.5	1.8–4.5
16–30	Very good	0.5–0.75	4.5–7.5
30–50	Good	0.75–1	7.5–12
50–100	Moderate	1–3	12–35
100–150	Unhealthy for sensitive groups	3–7	35–55
150–200	Unhealthy	7–12	55–150
200–300	Very unhealthy	12–25	150–250
> 300	Hazardous	>25	>250



≤8



≤16



≤30



≤50



≤100



≤150



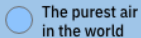
≤200



≤300



>300



The purest air in the world



Excellent



Very good



Good



Moderate



Unhealthy for sensitive groups



Unhealthy



Very unhealthy



Hazardous