

**RSE "KAZHYDROMET"**

MINISTRY OF  
ECOLOGY AND  
NATURAL  
RESOURCES OF  
THE REPUBLIC  
OF KAZAKHSTAN

**РГП «КАЗГИДРОМЕТ»**

МИНИСТЕРСТВО  
ЭКОЛОГИИ И  
ПРИРОДНЫХ  
РЕСУРСОВ  
РЕСПУБЛИКИ  
КАЗАХСТАН

**12.04.2024**

1. City – **Алматы**
2. Address – **Almaty, Str. Tole bi, 94**
3. Organization requesting background – **Asfendiyarov Kazakh National medical University**
4. Object for which the background is set – **University Campus**
5. Project under development – **Sustainability**
6. List of harmful substances for which the background is set: **Suspended particles PM2.5, Suspended particles PM2.5, Nitrogen dioxide, Suspended solids, Sulfur dioxide, Sulfates, Carbon oxide, Nitrogen oxide, Ozone, Hydrogen sulfide, Phenol, Hydrogen fluoride, Chlorine, Hydrogen chloride, Hydrocarbons, Plumbum, Ammonia, Sulfuric acid, Formaldehyde, Arsenic, Chrome.**

**Values of existing background concentrations**

Post number	Impurity	Sf concentration - mg/m <sup>3</sup>			
		Calm 0-2 m/sec	Wind speed (3 - U*) m/sec		
			north	east	south

№1,1,12,26	Suspended particles PM2.5	0.2	0.147	0.101	0.096	0.174
	Suspended particles PM2.5	0.211	0.156	0.11	0.106	0.183
	Nitrogen dioxide	0.208	0.2048	0.2163	0.1915	0.4265
	Suspended solids	0.4333	0.4073	0.38	0.3733	0.396
	Sulfur dioxide	0.018	0.0183	0.0188	0.0158	0.055
	Carbon oxide	3.7108	3.1825	3.0543	3.036	3.1795
	Nitrogen oxide	0.105	0.084	0.066	0.059	0.062

The above background concentrations are calculated based on observational data for 2022-2023.