«ӘЛ-ФАРАБИ АТЫНДАҒЫ
ҚАЗАҚ ҰЛТТЫҚ УНИВЕРСИТЕТІ»
КОММЕРЦИЯЛЫҚ ЕМЕС АКЦИОНЕРЛІК ҚОҒАМЫ
ҒЫЛЫМ ЖӘНЕ ИННОВАЦИЯЛЫҚ
ҚЫЗМЕТ ЖӨНІНДЕГІ ДЕПАРТАМЕНТІ
ЖЕРГІЛІКТІ ЭТИКАЛЫҚ КОМИТЕТ

ЖЭК
ЛЭК

НЕКОММЕРЧЕСКОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО
**«КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ
УНИВЕРСИТЕТ ИМЕНИ АЛЬ-ФАРАБИ»**
ДЕПАРТАМЕНТ ПО НАУКЕ
И ИННОВАЦИОННОЙ ДЕЯТЕЛЬНОСТИ
ЛОКАЛЬНЫЙ ЭТИЧЕСКИЙ КОМИТЕТ

От 30.06.2026 № 900

На №_____от_____

Ethical approval

1.	Full name of PhD student	Aray Zhakupbekova
2.	Specialty of PhD Program	6D060800 – Ecology
3.	Time period of study at PhD Program	2017-2020
4.	Theme of the thesis, date of approval	Development of cost-effective method for monitoring of the level of soil pollution with organic pollutants using vacuum-assisted solid-phase microextraction. Last topic revision date 25.05.2026 Order No. 2591-б/а
5.	Information about scientific supervisor (-s) (Name, title, degree, work position and citizenship)	Baimatova Nassiba, PhD, Associate Professor of the Department of Analytical and Colloid Chemistry and Technology of Rare Elements, Al-Farabi Kazakh National University.
6.	Objects of study	Soil pollution level of unsymmetrical dimethylhydrazine transformation products identified by developed Vac-HS-SPME method
7.	Planning, sampling and conducting of study	Violations are not revealed
8.	Dissemination of results or practical implementation	Violations are not revealed
9.	Protection of rights, safety and welfare of research objects	There were no wildlife or habitat objects in the study
10	The presence or absence of AI technology usage during the preparation of the dissertation	Artificial intelligence technologies were not used in the preparation of the dissertation research
11	Code of approval	IRB- A2099
12	Date of study approval	28.05.2026

Chair of LEC _____ G. Ussatayeva

Secretary of LEC _____ S. Madiyev