

От _____ № 621

На № _____ от _____

Ethical approval

1.	Full name of PhD student	Amanzholkzy Arailym
2.	Specialty of PhD Program	8D05301 – “Chemistry”
3.	Time period of study at PhD Program	2020-2023
4.	Theme of the thesis, date of approval	«Hydrogel forms of hydroxypropylmethylcellulose and bentonite clay based on plant extract <i>Tamarix Hispida</i> », 08.07.2025 y. №3419-6/a
5.	Information about scientific supervisor (-s) (Name, title, degree, work position and citizenship)	Local supervisor: Abilov Zharylkasyn Abduahitovich – Doctor of Chemical Sciences, Professor of the department of Chemistry and Technology of Organic Substances, Natural Compounds, and Polymers of the Faculty of Chemistry and Chemical Technology, al-Farabi KazNU, Republic of Kazakhstan. Foreign supervisor: M. Iqbal Choudhary –Dr., Professor, Coordinator General COMSTECH, Distinguished National Professor/ Honorary Advisor ICCBS, Karachi university, Karachi, Pakistan
6.	Objects of study	Medicinal plant material - the aerial part of the plant of the species <i>Tamarix Hispida</i> of the genus <i>Tamaricaceae</i> , its extract (THU-10) and hydrogels of HPMC, bentonite clay.
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	Research object is not a living nature object
10.	Code of approval	IRB- A1705
11.	Date of study approval	11.09.2025

Chair of LEC

G. Ussatayeva

Secretary of LEC

S. Madiyev

