Supplementary Materials (description of files)

S1_1_08092016_File.xls File. Dependence of far infrared transmission coefficients (T%) on wavelength in the experiment date 08.09.2016. WL_cm-1 – wavelength in cm^{-1}; WL_nm – wavelength in nm; hgch, veb, hc, lyd, veb, hypl, all – studied preparations; 1, ….., 90 – numbers on containers with samples.

S1_1_15032017_File.xls File. Dependence of far infrared transmission coefficients (T%) on wavelength in the experiment date 15.03.2017. WL_cm-1 – wavelength in cm^{-1}; hgch, veb, hc, lyd, veb, hypl, all, K – studied preparations; 1, ….., 100 – numbers on containers with samples.

S1_1_24052017_File.xls File. Dependence of far infrared transmission coefficients (T%) on wavelength in the experiment date 24.05.2017. WL_cm-1 – wavelength in cm^{-1}; hgch, veb, hc, lyd, veb, hypl, all – studied preparations; 1, ….., 90 – numbers on containers with samples.

S1_2_08092016_File.xls File. Results of comparative analysis of spectral files by means of Mann-Whitney test with Bonferroni's multiple comparison correction in accordance with Eq.1 for the experiment date 08.09.2016. cm-1 - wavelength in cm^{-1}; nm - wavelength in nm; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; hgch, veb, hc, lyd, veb, hypl, all – studied preparations.

S1_2_15032017_File.xls File. Results of comparative analysis of spectral files by means of Mann-Whitney test with Bonferroni's multiple comparison correction in accordance with Eq.1 for the experiment date 15.03.2017. cm-1 - wavelength in cm^{-1}; nm - wavelength in nm; eV – wavelength in eV; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; hgch, veb, hc, lyd, veb, hypl, all, K – studied preparations.

S1_2_24052017_File.xls File. Results of comparative analysis of spectral files by means of Mann-Whitney test with Bonferroni's multiple comparison correction in accordance with Eq.1 for the experiment date 15.03.2017. cm-1 - wavelength in cm^{-1}; nm - wavelength in nm; eV – wavelength in eV; Rank Sum – sum of ranks; U – number

of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; hgch, veb, hc, lyd, veb, hypl, all – studied preparations.

S2_1_02042018_File.xls File. Dependence of terahertz transmission and refractive indexes on wavelength in the experiment date 02.04.2018. WL_cm-1 – wavelength in cm^{-1}; LYD, HC, EUF, ANLG – studied preparations; 1, ….., 24 – numbers on containers with samples.

S2_1_24052018_File.xls File. Dependence of terahertz transmission and refractive indexes on wavelength in the experiment date 24.05.2018. WL_cm-1 – wavelength in cm^{-1}; LYD, HC, EUF, ANLG, K – studied preparations; 1, ….., 60 – numbers on containers with samples.

S2_1_25122018_File.xls File. Dependence of terahertz transmission and refractive indexes on wavelength in the experiment date 02.04.2018. WL_cm-1 – wavelength in cm^{-1}; LYD, EUF, ANLG, K – studied preparations; 1, ….., 60 – numbers on containers with samples.

S2_2_02042018_File.xls File. Results of comparative analysis of terahertz transmission and refractive indexes by means of Mann-Whitney test with Bonferroni's multiple comparison correction in accordance with Eq.1 for the experiment date 02.04.2018. WL, cm-1 - wavelength in cm^{-1}; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; hc, all set of preparations – studied preparations.

S2_2_24052018_File.pdf File. Results of comparative analysis of terahertz transmission and refractive indexes by means of Mann-Whitney test with Bonferroni's multiple comparison correction in accordance with Eq.1 for the experiment date 24.05.2018. cm-1 - wavelength in cm^{-1}; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; "hc", "lyd", "euf", "anlg", "hc", "K" – studied preparations; no – non significant distinctions; *re* – in relation to.

S2_2_25122018_File.pdf File. Results of comparative analysis of terahertz transmission and refractive indexes by means of Mann-Whitney test with Bonferroni's multiple comparison correction in accordance with Eq.1 for the experiment date 25.12.2018. cm-1 - wavelength in cm^{-1}; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; "all set of preparations", "lyd", "euf", "anlg", "hc", "K" – studied preparations; no – non significant distinctions; *re* – in relation to.

S3_03022018_File.pdf File. Spectral parameters of dynamic light scattering and results of comparative analysis of spectral parameters by means of Mann-Whitney test for the experiment date 03.02.2018. % Intensity, Size, nm, St Dev (Size), nm – estimated spectral parameters; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; "hc", "lyd", "euf", "anlg", "K" – studied preparations; *re* – in relation to.

S3_22092017_File.pdf File. Spectral parameters of dynamic light scattering and results of comparative analysis of spectral parameters by means of Mann-Whitney test for the experiment date 22.09.2017. % Intensity, Size, nm, St Dev (Size), nm – estimated spectral parameters; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; "hc", "csf", "ur", "lyd" – studied preparations; *re* – in relation to.

S3_22112017_File.pdf File. Spectral parameters of dynamic light scattering and results of comparative analysis of spectral parameters by means of Mann-Whitney test for the experiment date 22.11.2017. % Intensity, Size, nm, St Dev (Size), nm – estimated spectral parameters; Rank Sum – sum of ranks; U – number of inversions; Z – Z-distribution approximating Mann-Whitney statistics; p-level – statistical significance; Valid N – number of samples; 2*1sided – 2-sided statistical significance; p_{cum} – cumulative statistical significance satisfying Eq.1; "hc", "lyd", "euf", "anlg", "K" – studied preparations; *re* – in relation to.