

Table S1. Study of the linearity of the relationship between the absorbance and the degree of adulteration for the adulterations made intentionally to honey at 0, 3, 5, 10, 15, 20, 50, and 100% (m/m), with beet, dates and carob syrups. The coefficient of determination closest to 1 is shown in bold.

	Adulteration	Wavenumber (cm ⁻¹)						
	Grade (%; m/m)	940.0	987.5	1049.3	1051.4	1084.3	1086.4	1173.0
Beet Syrup	0.00	0.1414	0.3148	0.4774	0.4778	0.3267	0.3089	0.1098
	3.00	0.1427	0.3153	0.4736	0.4739	0.3236	0.3061	0.1091
	5.00	0.1435	0.3183	0.4746	0.4749	0.3240	0.3064	0.1090
	10.00	0.1456	0.3226	0.4732	0.4733	0.3222	0.3047	0.1084
	15.00	0.1475	0.3362	0.4762	0.4759	0.3213	0.3038	0.1080
	20.00	0.1492	0.3356	0.4748	0.4744	0.3198	0.3025	0.1077
	50.00	0.1614	0.3608	0.4639	0.4627	0.3051	0.2884	0.1038
	100.00	0.1799	0.4044	0.4524	0.4498	0.2834	0.2679	0.0980
	R ²	0.9996	0.9890	0.9469	0.9611	0.9949	0.9949	0.9980

	Adulteration	Wavenumber (cm ⁻¹)						
	Grade (%; m/m)	925.6	989.5	991.6	1030.7	1049.3	1051.4	1150.3
Date Syrup	0.00	0.1646	0.3250	0.3389	0.5499	0.4915	0.4920	0.1897
	3.00	0.1657	0.3272	0.3405	0.5494	0.4914	0.4921	0.1894
	5.00	0.1663	0.3287	0.3399	0.5456	0.4889	0.4896	0.1886
	10.00	0.1683	0.3326	0.3460	0.5417	0.4867	0.4873	0.1874
	15.00	0.1702	0.3370	0.3483	0.5405	0.4875	0.4879	0.1867
	20.00	0.1709	0.3402	0.3500	0.5386	0.4864	0.4869	0.1861
	50.00	0.1817	0.3645	0.3688	0.5129	0.4738	0.4733	0.1781
	100.00	0.2018	0.4040	0.4052	0.4792	0.4626	0.4607	0.1675
	R ²	0.9977	0.9999	0.9964	0.9963	0.9808	0.9839	0.9976

	Adulteration	Wavenumber (cm ⁻¹)						
	Grade (%; m/m)	925.8	989.7	991.7	1020.6	1084.5	1086.6	1129.9
Carob Syrup	0.00	0.1620	0.3184	0.3253	0.5435	0.3244	0.3067	0.1791
	3.00	0.1636	0.3208	0.3279	0.5373	0.3220	0.3043	0.1796
	5.00	0.1648	0.3239	0.3307	0.5356	0.3216	0.3040	0.1805
	10.00	0.1677	0.3321	0.3389	0.5276	0.3186	0.3012	0.1823
	15.00	0.1706	0.3381	0.3449	0.5200	0.3154	0.2981	0.1839
	20.00	0.1736	0.3446	0.3513	0.5131	0.3131	0.2959	0.1854
	50.00	0.1915	0.3825	0.3882	0.4667	0.2939	0.2777	0.1948
	100.00	0.2208	0.4433	0.4456	0.4015	0.2641	0.2492	0.2117
	R ²	1.0000	0.9994	0.9989	0.9986	0.9996	0.9996	0.9996