

Appendix.v

Reading table

Tests	Active Ingredients	QTY (mg/cup)	Reactions/Enzymes	Results			
				Negative		Positive	
VP	Sodium pyruvate	1.9	Acetoin production (voges proskauer)	VP1 +VP2/ wait 10 minutes			
				Colorless		Pink-Red	
HIP	Hippuric acid	0.4	Hydrolysis(HIPuric acid)	NIN/wait 10 minutes			
				Colorless/pale blue/grey		Dark blue/violet	
ESC	Esculin ferric citrate	1.16 0.152	β -glucosidase hydrolysis (ESClin)	4hrs	24hrs	4hrs	24hrs
				Colorless/ Pale yellow	Colorless/ Pale yellow/light grey	Black Grey	Black
PYRA	Pyroglutamic acid- β -naphthylamide	0.0256	PYRrolidonyl Arylamidase	ZYMA+ZYMB/10min (PYRA to LAP)			
				Colorless or very pale orange		Orange	
α GAL	6-bromo-2-naphthyl- α D-galcatopyranoside	0.0376	α -GALactsidase	Colorless		Violet	
β GUR	Naphthol ASBL-glucuronic acid	0.0537	β -GIUcuRonidase	Colorless		Blue	
β GAL	2-naphthyl- β D-galcatopyranoside	0.0306	β GALactsidase	Colorless or very pale violet		Violet	
PAL	2-naphthyl-phosphate	0.0244	Alkaline phosphatase	Colorless or very pale Violet		Violet	
LAP	L-leucine- β -naphthylamide	0.0256	Leucine Amino peptide	Colorless		Orange	
<u>ADH</u>	L-arginine	1.9	Arginine DiHydrolase	Yellow		Red	
				4hrs	24hrs	4hrs	24hrs
<u>RIB</u>	D-ribose	1.4	Acidification (RIBose)	Red	Orange/Red	Orange	Yellow
<u>ARA</u>	L-arabinose	1.4	Acidification (ARABin)	Red	Orange/Red	Orange	Yellow
<u>MAN</u>	D-mannitol	1.36	Acidification (MANnit)	Red	Orange/Red	Orange	Yellow
<u>SOR</u>	D-sorbitol	1.36	Acidification (SORbit)	Red	Orange/Red	Orange	Yellow
<u>LAC</u>	D-lactose	1.4	Acidification (LACtos)	Red	Orange/Red	Orange	Yellow
<u>TRE</u>	D-trehalose	1.32	Acidification (TREhal)	Red	Orange/Red	Orange	Yellow
<u>INU</u>	Inulin	5.12	Acidification (INUlin)	Red	Orange/Red	Orange	Yellow
<u>RAF</u>	D-raffinose	3.12	Acidification (RAFFin)	Red	Orange/Red	Orange	Yellow
<u>AMD</u>	Strach(2)	2.56	Acidification (Amidon)	Red	Orange/Red	Orange	Yellow
GLY	glycogen	1.28	Acidification (GLYco)	Orange/Red		yellow	