

## fruit weizen

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **26**
- SRM **3.9**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **44 C**, Time **10 min**
- Temp **63 C**, Time **15 min**
- Temp **72 C**, Time **45 min**
- Temp **100 C**, Time **60 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **10 min** at **44C**
- Keep mash **15 min** at **63C**
- Keep mash **45 min** at **72C**
- Keep mash **60 min** at **100C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód pszeniczny Bestmalz	2 kg (38.5%)	82 %	5
Grain	Pilzneński	3 kg (57.7%)	81 %	4
Adjunct	łuska ryżowa	0.2 kg (3.8%)	--- %	---

### Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Idaho Gem	50 g	10 min	13.7 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M20 Bavarian Wheat	Wheat	Dry	10 g	Mangrove Jack's

### Extras

Type	Name	Amount	Use for	Time
Flavor	jagody	2000 g	Primary	15 day(s)

Flavor	maliny	1000 g	Primary	15 day(s)
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