

Milijon Summer Ale

- Gravity **10.5 BLG**
- ABV ---
- IBU **39**
- SRM **6.3**
- Style **Blonde Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **7 %**
- Size with trub loss **23.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

Steps

- Temp **63 C**, Time **30 min**
- Temp **73 C**, Time **30 min**

Mash step by step

- Heat up **12.9 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **73C**
- Sparge using **19.3 liter(s)** of **76C** water or to achieve **27.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (46.5%)	80 %	4
Grain	Strzegom Pszeniczny	0.3 kg (7%)	81 %	6
Grain	Strzegom Wiedeński	1.6 kg (37.2%)	79 %	10
Grain	Strzegom Karmel 30	0.4 kg (9.3%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Galaxy	8 g	60 min	15 %
Boil	Motueka	20 g	15 min	7 %
Boil	Amarillo	20 g	10 min	9.5 %
Boil	Galaxy	25 g	5 min	15 %
Dry Hop	Mosaic	25 g	7 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis