

## Summer Ale 12 BLG (Bigos)

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **48**
- SRM **16.1**

### Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **20.2 liter(s)**

### Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **15.1 liter(s)**
- Total mash volume **20.5 liter(s)**

### Steps

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

### Mash step by step

- Heat up **15.1 liter(s)** of strike water to **70.7C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **73C**
- Sparge using **10.5 liter(s)** of **76C** water or to achieve **20.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.5 kg (46.3%)	80 %	4
Grain	Pszeniczny	0.4 kg (7.4%)	85 %	4
Grain	Strzegom Wiedeński	2 kg (37%)	79 %	10
Grain	Strzegom Karmel 300	0.5 kg (9.3%)	70 %	299

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Galaxy	10 g	60 min	15 %
Boil	Motueka	25 g	15 min	7 %
Boil	Amarillo	25 g	10 min	9.5 %
Boil	Galaxy	25 g	5 min	15 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Mauribrew Ale Y514	Ale	Slant	100 ml	Mauribrew

### Notes

- Done with a small amount of slurry of Mauribrew Ale Y514 from previous batch.  
*Mar 9, 2020, 3:25 PM*