

## 7. Miodowe

- Gravity **22.9 BLG**
- ABV **10.4 %**
- IBU **25**
- SRM **16.2**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6.9 liter(s)**
- Total mash volume **9.2 liter(s)**

### Steps

- Temp **62 C**, Time **5 min**
- Temp **72 C**, Time **60 min**

### Mash step by step

- Heat up **6.9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **5 min** at **62C**
- Keep mash **60 min** at **72C**
- Sparge using **8.1 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

### Fermentables

| Type           | Name                            | Amount         | Yield | EBC |
|----------------|---------------------------------|----------------|-------|-----|
| Grain          | Pilzneński                      | 1.5 kg (34.9%) | 81 %  | 4   |
| Grain          | Abbey Malt Weyermann            | 0.4 kg (9.3%)  | 75 %  | 45  |
| Grain          | Caramunich® typ I               | 0.1 kg (2.3%)  | 73 %  | 80  |
| Grain          | Płatki owsiane                  | 0.3 kg (7%)    | 60 %  | 3   |
| Liquid Extract | Miód Gryczany (Buckwheat Honey) | 2 kg (46.5%)   | 70 %  | 40  |

### Hops

| Use for | Name               | Amount | Time   | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil    | Perle              | 20 g   | 60 min | 7 %        |
| Boil    | Fuggles            | 6 g    | 10 min | 4.5 %      |
| Boil    | East Kent Goldings | 6 g    | 10 min | 5.1 %      |
| Boil    | Fuggles            | 6 g    | 5 min  | 4.5 %      |
| Boil    | East Kent Goldings | 6 g    | 5 min  | 5.1 %      |

### Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 16 g   | Fermentis  |

## Extras

| Type        | Name     | Amount | Use for  | Time |
|-------------|----------|--------|----------|------|
| Other       | Ksylitol | 300 g  | Bottling | ---  |
| 15g/1 liter |          |        |          |      |

## Notes

- 12 Blg  
20 L  
*Apr 17, 2021, 9:12 PM*