

## Lekkie Pszeniczne #3

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **28**
- SRM **3.8**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

### Steps

- Temp **52 C**, Time **10 min**
- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **22.8 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **19.1 liter(s)** of **76C** water or to achieve **35.4 liter(s)** of wort

### Fermentables

| Type    | Name                 | Amount         | Yield | EBC |
|---------|----------------------|----------------|-------|-----|
| Grain   | Viking Pale Ale malt | 4.5 kg (67.2%) | 82 %  | 5   |
| Grain   | Pszeniczny           | 2 kg (29.9%)   | 85 %  | 4   |
| Adjunct | Łuski owsiane        | 0.2 kg (3%)    | --- % | --- |

### Hops

| Use for             | Name    | Amount | Time   | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Aroma (end of boil) | Marynka | 20 g   | 10 min | 7.7 %      |
| Aroma (end of boil) | Cascade | 30 g   | 10 min | 6 %        |
| Boil                | Dragon  | 30 g   | 60 min | 8.1 %      |

### Yeasts

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

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |         |       |      |        |
|--------|---------|-------|------|--------|
| Flavor | laktoza | 250 g | Boil | 15 min |
|--------|---------|-------|------|--------|