

# WHEAT WINE

- Gravity **24 BLG**
- ABV **11 %**
- IBU **65**
- SRM **9.9**
- Style **English Barleywine**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.4 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **40 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10.9 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

## Fermentables

| Type           | Name                            | Amount       | Yield | EBC |
|----------------|---------------------------------|--------------|-------|-----|
| Grain          | Pszeniczny                      | 4 kg (43.5%) | 85 %  | 4   |
| Grain          | Pilznieński                     | 4 kg (43.5%) | 81 %  | 4   |
| Liquid Extract | WES ekstrakt słodowy pszeniczny | 1.2 kg (13%) | 80 %  | 60  |

## Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Mosaic | 30 g   | 60 min | 12.3 %     |
| Boil    | Mosaic | 30 g   | 50 min | 12.3 %     |
| Boil    | Mosaic | 90 g   | 5 min  | 12.3 %     |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 23 g   | Fermentis  |

## Extras

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

|       |                            |      |      |        |
|-------|----------------------------|------|------|--------|
| Spice | Skórka słodkiej pomarańczy | 25 g | Boil | 10 min |
| Spice | Skórka curacao             | 25 g | Boil | 10 min |