

# Brew For Ukraine - Frau Ribbentrop

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **11**
- SRM **3.5**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **3 %**
- Size with trub loss **20.6 liter(s)**
- Boil time **90 min**
- Evaporation rate **5 %/h**
- Boil size **22.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

## Steps

- Temp **45 C**, Time **10 min**
- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **9 liter(s)** of strike water to **49.2C**
- Add grains
- Keep mash **10 min** at **45C**
- Keep mash **60 min** at **66C**
- Keep mash **1 min** at **78C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

## Fermentables

| Type    | Name                  | Amount          | Yield | EBC |
|---------|-----------------------|-----------------|-------|-----|
| Grain   | Viking Pilsner malt   | 2.75 kg (59.8%) | 82 %  | 4   |
| Adjunct | Pszenica niesłodowana | 1.5 kg (32.6%)  | 75 %  | 3   |
| Grain   | Płatki pszeniczne     | 0.25 kg (5.4%)  | 60 %  | 3   |
| Adjunct | łuska ryżowa          | 0.1 kg (2.2%)   | 1 %   | 1   |

## Hops

| Use for | Name                 | Amount | Time   | Alpha acid |
|---------|----------------------|--------|--------|------------|
| Boil    | Hallertau Mittelfruh | 10 g   | 70 min | 6.1 %      |
| Boil    | Hallertau Mittelfruh | 15 g   | 10 min | 6.1 %      |

## Yeasts

| Name         | Type  | Form | Amount | Laboratory |
|--------------|-------|------|--------|------------|
| safale wb-06 | Wheat | Dry  | 11 g   | Fermentis  |

## Extras

| Type  | Name     | Amount | Use for | Time  |
|-------|----------|--------|---------|-------|
| Spice | Kolendra | 10 g   | Boil    | 1 min |

|       |                                       |      |      |       |
|-------|---------------------------------------|------|------|-------|
| Spice | suszona skórka<br>słodkiej pomarańczy | 20 g | Boil | 1 min |
|-------|---------------------------------------|------|------|-------|

### Notes

- F.burz 14 dni w temp 18-20 C.  
*Apr 7, 2023, 2:00 PM*