

# Zaćmienie - RIS z tonką/kawą/płatkami dębowymi/wanilią

- Gravity **45.8 BLG**
- ABV **27.9 %**
- IBU **33**
- SRM **94.7**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **63.6 liter(s)**
- Total mash volume **84.8 liter(s)**

## Fermentables

| Type  | Name                               | Amount        | Yield | EBC |
|-------|------------------------------------|---------------|-------|-----|
| Grain | Monachijski                        | 5 kg (23.6%)  | 80 %  | 16  |
| Grain | Pilzneński                         | 5 kg (23.6%)  | 81 %  | 4   |
| Grain | Grodziski pszeniczny wędzony dębem | 5 kg (23.6%)  | 80 %  | 3   |
| Grain | Strzegom Karmel 600                | 1 kg (4.7%)   | 68 %  | 601 |
| Grain | Strzegom Karmel 300                | 2 kg (9.4%)   | 70 %  | 299 |
| Grain | Czekoladowy                        | 1 kg (4.7%)   | 60 %  | 788 |
| Grain | Płatki owsiane                     | 1.2 kg (5.7%) | 85 %  | 3   |
| Grain | Black (Patent) Malt                | 1 kg (4.7%)   | 55 %  | 985 |

## Hops

| Use for | Name            | Amount | Time   | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil    | Marynka         | 50 g   | 60 min | 10 %       |
| Boil    | Simcoe          | 50 g   | 60 min | 13.2 %     |
| Boil    | Styrian Golding | 20 g   | 60 min | 3.6 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 16 g   | Safale     |

## Extras

| Type  | Name                                       | Amount | Use for   | Time      |
|-------|--|--------|-----------|-----------|
| Other | Płatki dębowe whisky - macerowane w whisky | 100 g  | Secondary | 90 day(s) |

|       |                   |     |           |           |
|-------|-------------------|-----|-----------|-----------|
| Other | Wanilia burbońska | 2 g | Secondary | 90 day(s) |
| Spice | tonka             | 2 g | Secondary | 90 day(s) |