

Wórut nocnej ciszy

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **28**
- SRM **53.5**
- Style **American Stout**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **23 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------|---------------|-------|-----|
| Grain | Monachijski | 4 kg (69.6%) | 80 % | 16 |
| Grain | Jęczmień palony | 0.5 kg (8.7%) | 55 % | 985 |
| Grain | Płatki owsiane | 0.5 kg (8.7%) | 85 % | 3 |
| Grain | Czekoladowy | 0.75 kg (13%) | 60 % | 788 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil | Citra | 15 g | 60 min | 12 % |
| Aroma (end of boil) | Citra | 15 g | 10 min | 12 % |
| Dry Hop | Cascade | 30 g | --- | 6 % |
| Dry Hop | Amarillo | 30 g | --- | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11.5 g | Safale |